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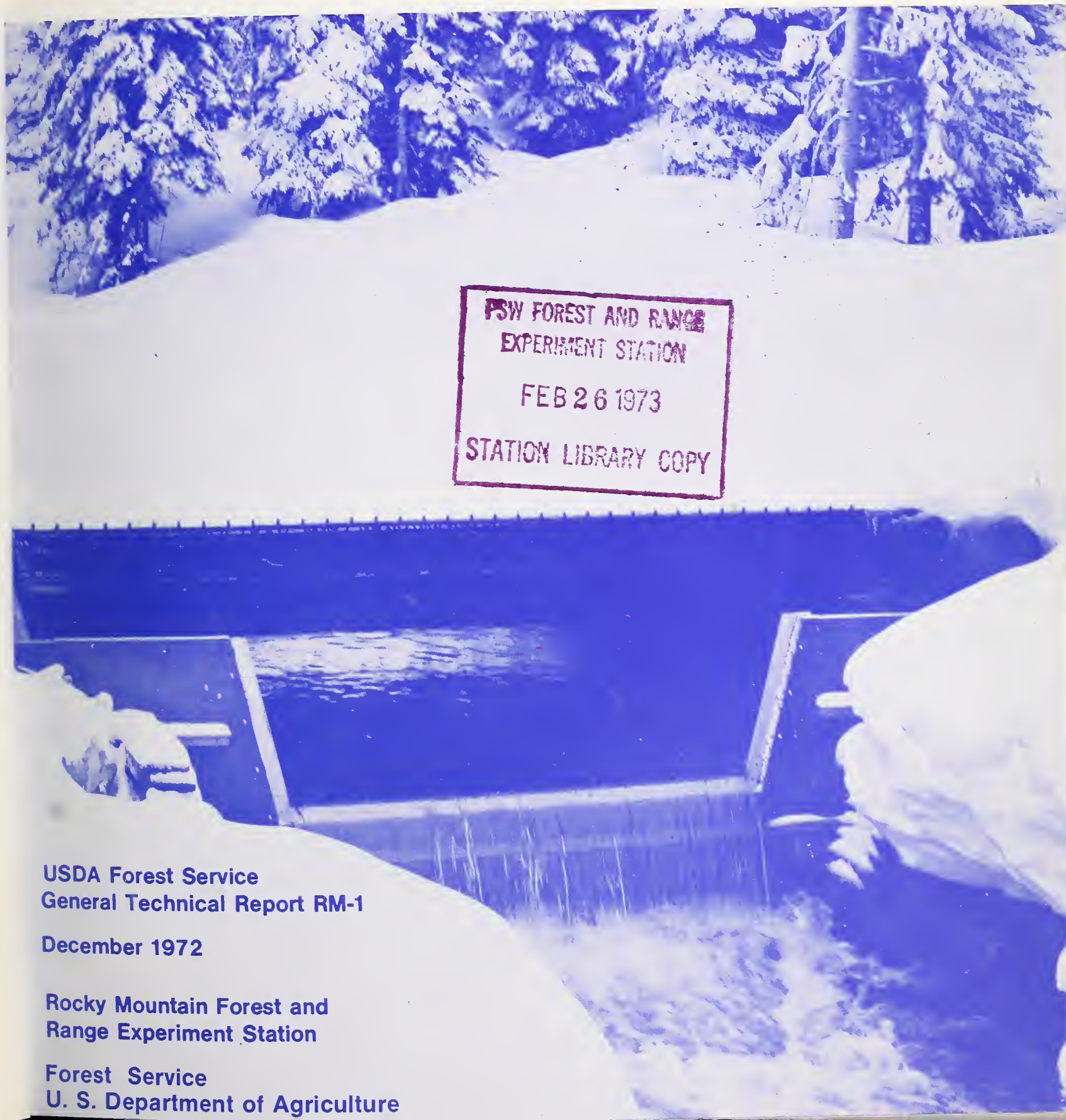
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# Annual Streamflow Summaries From Four Subalpine Watersheds In Colorado

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by Charles F. Leaf  
and Glen E. Brink



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Rocky Mountain Forest and  
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### Abstract

Streamflow runoff summaries are presented for four experimental watersheds near Fraser and Steamboat Springs, Colorado. Interval of published record varies from 1943-71 at Fraser to 1967-71 at Steamboat Springs.

**Keywords:** Demonstration watersheds, Fraser Experimental Forest, snowmelt, streamflow, subalpine watersheds, surface waters.

#### ABOUT THE COVER:

*Cipolletti weir on the 3.4-square-mile South Soda Creek watershed in the Routt National Forest near Steamboat Springs, Colorado. The steel deck on the weir ponds is necessary since winter snow in the Park Range often accumulates to depths exceeding 10 feet. This weir is designed to measure a peak flow of 225 cubic feet per second.*



## Annual Streamflow Summaries from Four Subalpine Watersheds in Colorado<sup>1</sup>

by

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<sup>1</sup>Research reported here was conducted and partly financed in cooperation with the Division of Atmospheric Water Resources Management, Bureau of Reclamation, U. S. Department of the Interior.

<sup>2</sup>Central headquarters maintained at Fort Collins, in cooperation with Colorado State University.

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# Annual Streamflow Summaries from Four Subalpine Watersheds in Colorado

Charles F. Leaf and Glen E. Brink

This paper contains computer-generated streamflow runoff summaries from four small subalpine watersheds near Fraser and Steamboat Springs, Colorado (see maps, figs. 1 and 2). Runoff from each watershed is gaged from early spring prior to snowmelt until late fall. The data are processed in FORTRAN IV computer language on Control Data Corporation's (CDC) 6400 computer<sup>3</sup> currently in use at the Colorado State University Computer Center in Fort Collins.

## Fraser Experimental Forest

Annual summaries of daily runoff from the 1,984-acre East St. Louis Creek watershed are given for the 1943-71 period of record. Map coordinates for the basin are 39°54' north latitude and 105°53' west longitude. Elevations range from 9,500 feet m.s.l. at the stream gage to 12,763 feet. Approximately one-third of East St. Louis Creek is above timberline and two-thirds is forested. Retzer<sup>4</sup> described the forest cover, geology, and soil; Haeffner<sup>5</sup> summarized a 33-year record of precipitation and temperature in the area.

<sup>3</sup>The use of trade and company names is for the benefit of the reader; such use does not constitute an official endorsement or approval of any service or product by the U. S. Department of Agriculture to the exclusion of others that may be suitable.

<sup>4</sup>Retzer, J. L. Soil survey of Fraser alpine area, Colorado. U. S. Dep. Agric. and Colo. Agric. Exp. Stn. Ser. 1956, No. 20, 47 p. Wash. D.C.: Gov. Print. Off. 1962.

<sup>5</sup>Haeffner, Arden D. Daily temperatures and precipitation for subalpine forest, central Colorado. USDA For. Serv. Res. Pap. RM-80, 48 p. Rocky Mt. For. and Range Exp. Stn., Fort Collins, Colo. 1971.

## Steamboat Springs (Park Range)

Runoff data from three watersheds in the Park Range are summarized for the 1967-71 period of record. They include:

- A. West Walton Creek: 849 acres, 9,100-9,728 feet m.s.l., 40°22'35" latitude, and 106°42'30" longitude.
- B. North Fish Creek: 1,435 acres, 9,800-10,724 feet m.s.l., 40°32'25" latitude, 106°44' longitude.
- C. South Soda Creek: 2,174 acres, 8,300-10,724 feet m.s.l., 40°32'30" latitude, 106°45' longitude.

These data were obtained in cooperation with the Division of Atmospheric Water Resources Management, Bureau of Reclamation, U. S. Department of the Interior, as part of weather modification studies in the Park Range.

## Instrumentation and Data Reduction

All gaging stations are Cipolletti weirs<sup>6</sup> which are serviced at weekly intervals during the runoff season. From the continuous record of gage height, streamflow volumes can be computed by means of rating equations for any desired time interval. Laboratory-derived rating

<sup>6</sup>The Cipoletti weir on East St. Louis Creek has operated since the 1964 snowmelt runoff season. Prior to this time, flows were gaged by a trapezoidal flume which was rated in place with a velocity head rod.

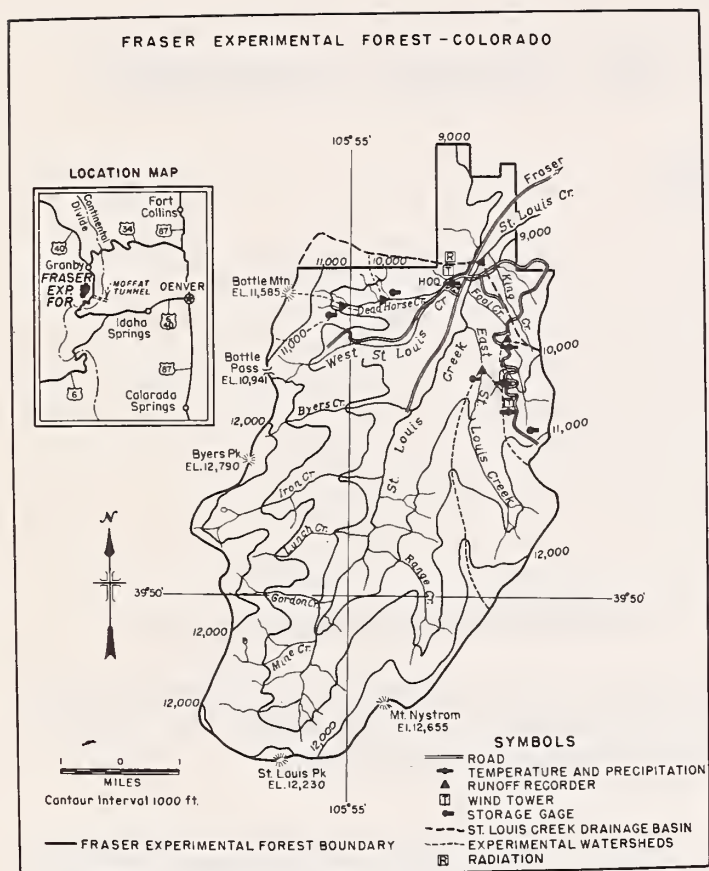
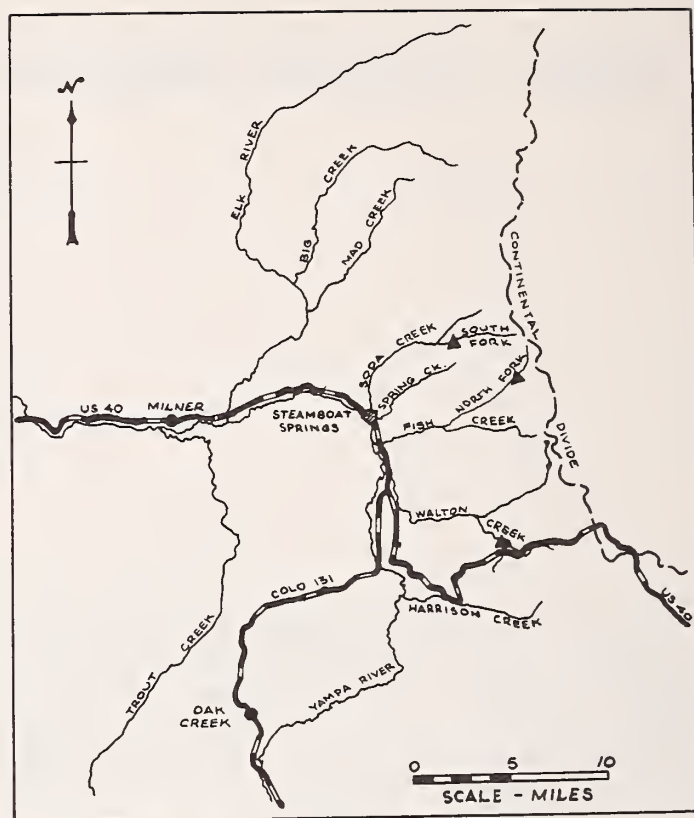


Figure 1.—Location map for East St. Louis Creek, Fraser Experimental Forest.



### ▲ STREAM GAGE

Figure 2.—Location map for Park Range watersheds, near Steamboat Springs.

equations are used to compute stream discharge.<sup>7</sup>

Gage heights are logged on FW-1 strip-chart recorders and Fischer-Porter ADR punched-tape recorders programed to punch at 15-minute intervals. At the present time (1972), the strip-chart recorders serve only as backup systems for the Fischer-Porters. Both charts and punched tapes are analyzed essentially according to procedures described by Johnson and Dils.<sup>8</sup>

<sup>7</sup>King, H. A. *Handbook of hydraulics*. Ed. 4. 556 p. N.Y.: McGraw-Hill Co. 1954.

<sup>8</sup>Johnson, E. A., and R. W. Dils. *Outline for compiling precipitation, runoff, and ground water data from small watersheds*. U.S. Dep. Agric., For. Serv., Southeast. For. Exp. Stn., Stn. Pap. 68, 40 p. Asheville, N.C. 1956.

### Automatic Data Processing

The following tables are one-page summaries of the daily streamflow in acre-feet for the period of record. Additional information printed at the bottom of each summary table for each month and for the period of record includes:

1. Total flow in acre-feet
2. Equivalent depth in inches over the whole watershed
3. Maximum daily flow in acre-feet
4. Minimum daily flow (for months only), in acre-feet
5. Equivalent c.f.s. for the seasonal peak daily flow.



## Fraser Experimental Forest

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1943 JULY	AUG	SEPT	OCT	NOV	OEC	
DAY													DAY
1				1.515	9.288	24.981	41.474	11.670	6.087				1
2				1.538	10.775	28.724	38.047	11.482	5.979				2
3				1.564	11.172	22.630	35.616	10.995	5.987				3
4				1.589	11.002	20.175	33.153	10.791	5.796				4
5				1.639	9.428	20.053	31.492	10.699	5.879				5
6				1.664	8.477	21.067	29.840	10.219	5.664				6
7				1.671	7.337	24.303	28.891	10.003	5.447				7
8				1.651	6.669	29.419	27.768	10.025	5.150				8
9				1.614	6.294	37.206	26.088	9.521	4.995				9
10				1.589	6.244	39.149	24.092	9.187	4.843				10
11				1.564	6.714	38.630	22.272	9.088	4.467				11
12				1.539	6.644	34.655	20.959	8.471	4.355				12
13				1.515	6.524	34.471	20.295	7.963	4.285				13
14				1.500	6.625	34.398	19.111	7.601	4.211				14
15				1.539	6.570	33.733	17.734	6.730	4.300				15
16				1.589	6.221	32.770	17.257	9.595	4.188				16
17				1.614	6.000	35.733	16.458	9.138	4.351				17
18				1.639	5.735	38.732	15.861	8.755	4.411				18
19				1.808	5.304	40.920	16.018	8.366	4.500				19
20				1.996	5.128	45.384	15.904	7.369	4.372				20
21				2.210	5.140	49.686	15.893	7.230	4.427				21
22				2.643	5.127	52.905	16.804	6.938	4.311				22
23				2.695	5.617	52.904	15.262	7.159	4.254				23
24				3.155	6.546	50.582	14.214	8.472	4.164				24
25				3.576	7.161	50.586	12.891	8.026	3.967				25
26				3.769	8.172	49.319	12.347	6.732	4.042				26
27				3.405	10.600	47.352	12.780	6.511	4.003				27
28				3.898	15.401	46.209	12.001	6.390	3.909				28
29				5.182	18.179	46.566	11.764	6.325	2.262				29
30				7.190	24.715	46.285	14.188	6.465					30
31			.527		21.254		14.136	6.446					31
TOTAL													
A-F			.527	70.072	276.077	1129.539	650.624	264.374	134.620				ACRE FEET
INS			.003	.423	1.669	6.831	3.935	1.599	.814				INCHES
FLOW													
MAX			.527	7.190	24.715	52.905	41.474	11.670	6.087				MAXIMUM
MIN			.000	1.500	5.127	20.053	11.764	6.325	.000				MINIMUM
TOTAL SEASONAL RUNOFF 2525.836 ACRE FEET, 15.277 INCHES													
SEASONAL PEAK DAILY FLOW 52.906 ACRE FEET, 26.673 CUBIC FEET PER SECONO													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1944 JULY	AUG	SEPT	OCT	NOV	OEC	
DAY													DAY
1				.651	1.843	21.802	27.552	8.554	4.556				1
2				1.843	1.843	23.166	27.000	7.500	4.506				2
3				1.843	1.843	25.596	25.589	6.980	4.486				3
4				1.843	1.843	25.680	23.712	6.633	4.436				4
5				1.843	1.843	27.573	22.856	6.459	4.419				5
6				1.843	1.896	28.335	22.100	6.347	4.355				6
7				1.843	2.056	30.331	20.344	6.210	4.323				7
8				1.843	2.220	32.551	19.159	6.091	4.242				8
9				1.843	2.361	34.319	18.663	6.390	4.150				9
10				1.843	2.504	35.088	17.906	6.223	4.185				10
11				1.843	2.679	35.784	17.512	6.114	4.199				11
12				1.843	3.419	36.637	16.181	6.064	4.228				12
13				1.843	4.876	35.994	14.855	5.855	4.154				13
14				1.843	6.165	40.110	14.350	5.743	4.077				14
15				1.843	7.032	43.738	14.367	5.851	4.148				15
16				1.843	9.388	43.103	13.598	5.902	4.114				16
17				1.843	7.870	35.099	13.039	5.772	4.127				17
18				1.843	5.289	41.975	12.566	6.022	4.071				18
19				1.843	5.071	44.171	12.869	6.470	4.091				19
20				1.843	5.518	49.585	12.482	5.816	4.001				20
21				1.843	6.026	51.668	11.444	5.626	3.911				21
22				1.843	8.265	46.438	10.677	5.657	3.906				22
23				1.843	11.069	41.982	10.193	5.547	3.940				23
24				1.843	12.207	43.009	11.123	5.630	3.953				24
25				1.843	11.727	41.980	10.785	5.668	3.894				25
26				1.843	10.744	39.016	10.046	5.124	3.942				26
27				1.843	10.221	34.663	9.595	4.913	3.361				27
28				1.843	12.907	33.641	8.867	4.857	1.186				28
29				1.843	14.717	31.871	8.852	4.838	1.186				29
30				1.843	18.397	29.387	8.601	4.838	1.186				30
31					20.782		8.626	4.663					31
TOTAL													
A-F				54.122	214.637	1084.305	475.521	184.372	115.345				ACRE FEET
INS				.327	1.298	6.558	2.876	1.115	.697				INCHES
FLOW													
MAX				1.843	20.782	51.668	27.552	8.554	4.556				MAXIMUM
MIN				.651	1.843	21.802	8.601	4.663	1.186				MINIMUM
TOTAL SEASONAL RUNOFF 2128.306 ACRE FEET, 12.873 INCHES													
SEASONAL PEAK DAILY FLOW 51.669 ACRE FEET, 26.049 CUBIC FEET PER SECONO													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1945 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
DAY													
1				1.186	1.186	14.639	35.163	25.285	7.643				1
2				1.186	1.186	13.369	36.119	22.178	7.754				2
3				1.186	1.186	13.896	34.923	25.719	6.995				3
4				1.186	2.750	15.197	33.034	27.123	6.501				4
5				1.186	3.492	18.661	31.785	26.114	6.094				5
6				1.186	3.438	20.119	32.549	26.244	5.368				6
7				1.186	3.418	21.326	32.433	27.370	5.422				7
8				1.186	3.670	20.803	31.153	27.071	5.142				8
9				1.186	3.830	19.335	30.601	45.388	5.316				9
10				1.186	4.213	18.172	31.042	22.597	5.302				10
11				1.186	4.501	18.487	29.967	21.256	5.398				11
12				1.186	4.180	22.000	28.897	21.405	5.438				12
13				1.186	4.999	30.984	27.756	21.135	5.292				13
14				1.186	5.000	36.992	26.437	19.486	5.420				14
15				1.186	4.214	32.917	25.367	18.390	5.480				15
16				1.186	3.936	25.696	25.587	17.227	5.003				16
17				1.186	4.458	24.869	23.983	16.359	4.954				17
18				1.186	5.640	26.885	22.982	16.894	5.137				18
19				1.186	6.218	29.861	24.183	16.190	5.270				19
20				1.186	6.187	30.812	23.971	16.059	5.531				20
21				1.186	5.629	34.173	21.868	16.036	5.702				21
22				1.186	4.971	48.373	22.818	13.988	5.916				22
23				1.186	5.110	48.040	24.732	12.941	6.047				23
24				1.186	6.420	53.502	24.592	12.267	5.955				24
25				1.186	8.228	54.282	22.273	11.825	6.107				25
26				1.186	11.584	50.745	20.199	12.266	6.048				26
27				1.186	14.089	47.526	19.212	11.199	4.915				27
28				1.186	15.899	44.494	18.347	10.128	1.186				28
29				1.186	17.343	37.718	21.367	9.997	1.186				29
30				1.186	18.870	35.700	20.958	9.420	1.186				30
31			.411		17.379		23.655	8.347					31
TOTAL													
A-F			.411	35.589	203.236	909.588	827.971	587.917	158.723				ACRE FEET
INS			.002	.215	1.229	5.501	5.007	3.555	.960				INCHES
FLOW													
MAX			.411	1.186	18.870	54.282	36.119	45.388	7.754				MAXIMUM
MIN			.000	1.186	1.186	13.369	18.347	8.347	1.186				MINIMUM
TOTAL SEASONAL RUNOFF 2723.437 ACRE FEET, 16.472 INCHES													
SEASONAL PEAK DAILY FLOW 54.283 ACRE FEET, 27.367 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1946 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
DAY													
1				1.186	1.186	9.658	20.320	7.651	5.648				1
2				1.186	4.926	9.775	19.116	7.285	5.538				2
3				1.186	6.414	13.130	18.471	6.984	5.337				3
4				1.186	6.919	21.020	17.555	6.573	5.138				4
5				1.186	7.682	29.556	17.716	6.386	5.029				5
6				1.186	8.106	30.501	17.370	6.431	4.983				6
7				1.186	8.717	42.249	16.492	6.281	4.945				7
8				1.186	9.959	43.828	16.359	6.067	4.836				8
9				1.186	11.566	44.956	15.329	5.955	4.820				9
10				1.186	11.048	47.314	14.669	5.983	4.787				10
11				1.186	9.322	47.134	14.117	6.429	4.941				11
12				1.186	9.002	45.723	13.839	7.157	4.841				12
13				1.186	8.968	43.462	15.011	6.800	5.104				13
14				1.186	8.825	42.239	15.731	6.144	4.743				14
15				1.186	8.946	42.766	13.256	6.028	4.816				15
16				1.186	8.813	42.462	12.397	5.934	4.752				16
17				2.138	8.300	45.341	11.990	5.705	4.619				17
18				1.186	8.365	44.316	11.289	5.569	5.343				18
19				1.186	8.214	36.986	10.890	5.395	5.469				19
20				1.186	8.313	32.675	10.235	5.457	4.995				20
21				1.186	8.568	29.089	9.206	5.461	4.769				21
22				1.186	9.044	28.050	8.780	6.049	4.860				22
23				1.186	9.084	27.724	8.657	7.054	4.808				23
24				1.186	8.604	26.515	8.509	6.830	4.831				24
25				1.186	8.987	25.433	9.041	6.277	4.716				25
26				1.186	10.147	24.884	8.490	5.989	4.628				26
27				1.186	12.870	24.361	7.995	5.759	4.577				27
28				1.186	12.965	23.236	8.009	5.768	4.496				28
29				1.186	11.461	22.239	8.276	6.717	4.513				29
30				1.186	10.444	21.678	8.612	5.738	2.042				30
31					9.881		8.097	5.417					31
TOTAL													
A-F				36.541	275.661	968.315	395.840	193.288	144.939				ACRE FEET
INS				.221	1.667	5.856	2.394	1.169	.876				INCHES
FLOW													
MAX				2.138	12.965	47.314	20.320	7.651	5.648				MAXIMUM
MIN				1.186	1.186	9.658	7.995	5.395	2.042				MINIMUM
TOTAL SEASONAL RUNOFF 2014.586 ACRE FEET, 12.185 INCHES													
SEASONAL PEAK DAILY FLOW 47.314 ACRE FEET, 23.854 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1947 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1					3.361	18.012	53.863	18.339	6.273				1
2					4.389	21.417	54.578	17.815	6.142				2
3					5.632	23.641	52.443	18.067	6.099				3
4					7.658	24.923	52.314	17.608	6.109				4
5					7.460	23.544	50.346	16.888	6.125				5
6					7.055	24.576	47.494	15.216	6.115				6
7					7.896	36.176	46.413	14.636	5.970				7
8					10.264	51.060	44.916	14.624	5.999				8
9					12.082	45.603	43.580	15.526	6.263				9
10					14.155	37.666	40.918	14.935	7.204				10
11					12.782	33.415	37.891	14.214	6.715				11
12					9.005	29.045	35.592	14.137	6.895				12
13					8.557	28.477	33.326	12.620	6.370				13
14					8.854	28.499	31.318	11.878	5.807				14
15					9.181	30.586	33.041	11.153	5.616				15
16					8.923	35.144	32.293	10.460	5.457				16
17					9.810	41.584	29.381	10.401	5.298				17
18					9.884	48.297	27.457	11.069	5.252				18
19					10.037	53.012	26.047	10.138	5.132				19
20					11.244	64.608	24.904	9.208	5.133				20
21					13.763	58.918	23.921	8.974	4.895				21
22					15.009	53.503	24.279	8.707	4.823				22
23				1.999	14.266	47.441	23.389	8.533	5.043				23
24				2.768	13.479	44.341	22.047	8.853	5.379				24
25				2.709	14.484	45.215	21.137	8.269	5.189				25
26				2.799	16.050	51.595	20.455	7.649					26
27				2.891	17.425	54.323	19.628	7.452					27
28				2.798	17.883	56.128	18.801	7.089					28
29				2.798	15.834	57.027	19.722	6.675					29
30				2.847	15.905	54.658	19.407	6.695					30
31					17.020		18.790	6.533					31
TOTAL													
A-F				21.612	349.362	1222.448	1029.705	364.377	145.313				ACRE FEET
INS				.130	2.113	7.393	6.228	2.203	.878				INCHES
FLOW													
MAX				2.891	17.883	64.608	54.578	18.339	7.204				MAXIMUM
MIN				.000	3.361	18.012	18.790	6.533	.000				MINIMUM
TOTAL SEASONAL RUNOFF 3132.820 ACRE FEET, 18.949 INCHES													
SEASONAL PEAK DAILY FLOW 64.608 ACRE FEET, 32.573 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1948 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1					3.692	45.541	20.801	7.866	3.948				1
2					3.334	52.466	21.809	7.561	3.721				2
3					3.184	57.950	21.172	7.243	3.496				3
4					3.205	55.184	20.682	7.604	3.381				4
5					3.218	52.872	22.196	7.636	3.416				5
6					3.479	52.254	20.897	8.290	3.733				6
7					4.201	51.706	19.630	7.460	3.875				7
8					4.811	50.188	18.602	6.904	3.807				8
9					4.721	49.511	17.281	6.466	3.535				9
10					3.786	49.118	18.298	6.345	3.360				10
11					3.419	49.251	16.872	6.239	3.311				11
12					3.323	49.009	15.941	6.102	3.309				12
13					3.719	46.927	15.364	6.091	3.268				13
14					5.200	43.817	14.880	6.097	3.263				14
15					6.655	39.352	14.275	5.953	3.213				15
16					8.746	36.202	13.887	5.829	3.201				16
17					12.751	33.596	13.269	5.187	3.197				17
18					14.733	31.988	13.000	4.877	3.145				18
19					19.443	32.635	12.876	4.783	3.215				19
20					24.171	30.027	12.983	4.406	3.155				20
21					28.735	28.063	14.265	4.258	3.120				21
22				2.134	33.314	26.912	12.850	4.299	3.091				22
23				1.286	33.471	26.321	11.333	4.571	1.830				23
24				2.083	33.834	24.460	10.829	4.743					24
25				2.083	35.499	23.482	10.603	5.164					25
26				2.110	32.072	23.086	10.001	6.115					26
27				2.550	33.523	22.724	9.654	5.160					27
28				3.198	37.086	21.234	9.990	4.759					28
29				3.796	34.895	20.092	9.416	4.836					29
30				4.042	39.041	20.591	8.317	4.613					30
31					46.048		7.832	4.131					31
TOTAL													
A-F				23.286	527.325	1146.574	459.820	181.604	76.599				ACRE FEET
INS				.140	3.189	6.934	2.781	1.098	.463				INCHES
FLOW													
MAX				4.042	46.048	57.950	22.196	8.290	3.948				MAXIMUM
MIN				.000	3.184	20.092	7.832	4.131	.000				MINIMUM
TOTAL SEASONAL RUNOFF 2415.212 ACRE FEET, 14.608 INCHES													
SEASONAL PEAK DAILY FLOW 57.951 ACRE FEET, 29.216 CUBIC FEET PER SECOND													



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1949 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1					3.100	17.768	38.385	12.794	5.958	4.900			1
2					3.175	16.411	37.739	12.279	5.816	5.079			2
3					4.117	16.385	41.948	13.068	6.467	4.850			3
4					4.528	19.175	41.537	12.462	6.350	4.689			4
5					4.070	21.986	42.573	11.904	5.374	4.538			5
6					3.436	21.944	41.682	11.485	5.285	4.477			6
7					3.444	21.366	43.013	10.940	5.414	4.473			7
8					3.451	22.391	40.053	11.276	5.347	4.474			8
9					3.745	26.849	39.053	11.943	5.305	4.737			9
10					4.064	27.285	37.536	10.972	5.353	4.607			10
11					4.292	33.796	35.204	10.491	5.551	4.788			11
12					4.957	44.684	30.758	10.050	5.359	4.988			12
13					4.695	51.357	27.752	9.585	5.202	4.990			13
14					4.980	51.385	26.873	9.133	5.128	4.859			14
15					7.485	53.200	25.488	8.737	4.891	4.721			15
16					7.526	66.845	24.451	8.414	4.819	4.632			16
17					6.251	76.476	23.959	8.379	4.808	4.853			17
18					5.816	69.528	23.679	8.033	4.781	4.922			18
19					6.244	66.918	23.249	7.643	4.688	3.055			19
20				2.029	6.187	65.345	22.412	7.132	4.396				20
21				1.664	5.626	61.589	21.071	6.805	4.268				21
22				1.664	5.410	59.739	19.423	6.786	4.221				22
23				1.664	5.337	55.707	19.106	6.831	4.416				23
24				2.088	6.074	51.478	18.496	6.673	4.421				24
25				2.751	9.279	48.778	17.791	6.574	4.408				25
26				2.586	13.108	47.443	16.701	6.135	4.487				26
27				2.870	14.912	47.947	15.883	6.028	4.484				27
28				3.060	15.883	44.148	15.319	5.893	4.584				28
29				3.536	19.113	41.195	14.591	5.935	4.688				29
30				3.360	20.729	38.979	14.023	6.027	5.096				30
31					19.706		13.366	6.133					31
TOTAL													
A-F				27.276	230.751	1288.109	853.127	276.555	151.379	88.640			ACRE FEET
INS				.164	1.395	7.790	5.160	1.672	.915	.536			INCHES
FLOW													
MAX				3.536	20.729	76.476	43.013	13.068	6.467	5.079			MAXIMUM
MIN				.000	3.100	16.385	13.366	5.893	4.221	.000			MINIMUM
TOTAL SEASONAL RUNOFF 2915.841 ACRE FEET, 17.636 INCHES													
SEASONAL PEAK DAILY FLOW 76.476 ACRE FEET, 38.556 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1950 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1					3.119	21.120	29.608	7.824	3.970	3.853	3.166		1
2					3.624	25.536	28.127	7.604	3.944	3.741	3.166		2
3					4.770	22.150	26.780	8.499	3.934	3.815	4.341		3
4					4.699	18.982	25.658	7.795	3.664	3.926	3.879		4
5					3.924	22.832	24.339	7.525	3.560	3.938	4.563		5
6					3.481	33.584	22.919	7.384	4.080	3.902	3.182		6
7					3.003	39.970	22.324	7.147	3.871	3.757	3.109		7
8					3.172	36.099	21.526	6.845	3.651	3.764	1.977		8
9					3.096	35.555	20.534	6.508	3.829	3.823			9
10					3.087	44.237	19.861	6.216	4.007	3.825			10
11					3.589	55.721	19.641	6.343	4.110	3.770			11
12					4.040	56.800	18.293	6.076	4.727	3.695			12
13					4.211	59.969	17.379	5.790	4.638	3.678			13
14					4.931	62.173	16.244	5.482	4.459	3.699			14
15					5.140	62.318	15.288	5.307	4.336	3.741			15
16					5.636	76.054	14.604	5.082	4.094	3.704			16
17				1.466	7.674	76.517	14.224	4.913	3.908	3.440			17
18				2.567	7.414	64.919	14.255	4.702	4.025	3.419			18
19				2.504	7.243	56.912	13.802	4.573	5.362	3.433			19
20				2.510	8.497	50.733	13.109	4.695	5.189	3.422			20
21				2.810	10.542	46.850	12.450	4.638	4.002	3.427			21
22				3.536	13.300	44.051	11.771	4.793	3.784	3.331			22
23				3.491	15.061	42.786	11.254	4.858	3.689	3.295			23
24				3.190	15.189	41.419	10.915	5.000	3.659	3.360			24
25				2.769	12.842	39.051	10.338	5.837	3.571	3.329			25
26				2.857	10.400	36.866	10.120	6.336	3.820	3.306			26
27				3.150	9.334	35.859	9.841	5.667	3.907	3.485			27
28				3.192	9.120	34.633	9.382	5.169	4.101	3.369			28
29				3.197	9.470	33.456	9.230	4.902	4.105	3.253			29
30				3.166	11.919	31.596	9.057	4.743	3.825	3.309			30
31					15.868		8.387	4.267		3.313			31
TOTAL													
A-F				40.410	227.408	1308.764	511.273	182.536	121.840	111.135	27.386		ACRE FEET
INS				.244	1.375	7.915	3.092	1.104	.736	.672	.165		INCHES
FLOW													
MAX				3.536	15.868	76.517	29.608	8.499	5.362	3.938	4.563		MAXIMUM
MIN				.000	3.003	18.982	8.387	4.267	3.560	3.253	.000		MINIMUM
TOTAL SEASONAL RUNOFF 2530.755 ACRE FEET, 15.307 INCHES													
SEASONAL PEAK DAILY FLOW 76.517 ACRE FEET, 38.577 CUBIC FEET PER SECOND													



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1951 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1				2.418	2.418	29.825	53.046						1
2				2.418	2.427	24.165	51.967						2
3				2.418	2.521	21.600	51.077						3
4				2.418	2.773	19.074	51.652						4
5				2.418	3.255	18.025	47.878						5
6				2.418	3.254	18.071	46.337						6
7				2.418	3.417	19.118	46.220						7
8				2.418	3.218	19.739	44.425						8
9				2.418	2.833	19.671	41.097						9
10				2.418	2.703	19.509	38.516						10
11				2.418	2.948	18.785	36.787						11
12				2.418	3.638	18.800	35.162						12
13				2.418	3.647	20.808	32.831						13
14				2.418	3.148	22.961	31.691						14
15				2.418	3.516	26.463	29.930						15
16				2.418	4.668	36.012	28.694						16
17				2.418	4.753	50.424	28.098						17
18				2.418	4.704	67.729	27.277						18
19				2.418	5.720	66.405	25.844						19
20				2.418	7.178	69.197	27.230						20
21				2.418	7.442	84.221	27.129						21
22				2.418	7.662	68.872	25.039						22
23				2.418	9.380	60.475	22.917						23
24				2.418	9.630	57.908	20.884						24
25				2.418	10.041	61.128	19.275						25
26				2.418	11.504	61.973	18.555						26
27				2.418	14.544	61.343	18.225						27
28				2.418	19.917	59.263	17.802						28
29				2.418	22.103	56.537	.983						29
30				2.418	27.935	54.414							30
31			.844		33.328								31
TOTAL													
A-F			.844	72.541	246.237	1232.530	946.582						ACRE FEET
INS			.005	.438	1.489	7.454	5.725						INCHES
FLOW													
MAX			.844	2.418	33.328	84.221	53.046						MAXIMUM
MIN			.000	2.418	2.418	18.025	.000						MINIMUM
TOTAL SEASONAL RUNOFF 2498.736 ACRE FEET, 15.113 INCHES													
SEASONAL PEAK DAILY FLOW 84.222 ACRE FEET, 42.461 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1952 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1					3.912	21.791	39.201	13.188	8.082	5.326			1
2					4.651	24.838	37.195	12.517	7.480	5.326			2
3					5.855	35.304	35.014	11.806	7.205	5.289			3
4					7.200	41.158	32.677	11.842	7.247	5.141			4
5					8.509	44.918	30.290	11.326	7.001	5.141			5
6					8.435	62.279	30.057	10.546	7.042				6
7					8.090	76.560	27.657	12.179	7.001				7
8					8.657	80.398	25.423	11.091	6.853				8
9					7.962	85.801	24.428	10.174	6.598				9
10					6.659	98.942	23.478	13.237	6.479				10
11					6.262	98.834	22.240	12.386	6.439				11
12					6.700	97.340	21.172	10.524	6.518				12
13					8.904	95.279	20.237	10.589	6.839				13
14					11.672	92.549	19.306	10.337	6.360				14
15					12.336	96.086	18.410	9.605	6.164				15
16					11.885	82.442	17.795	9.022	6.368				16
17					10.245	70.698	17.215	8.801	6.242				17
18					9.244	63.852	17.100	8.475	6.008				18
19					8.944	65.568	16.534	10.292	5.854				19
20					8.647	65.741	15.887	9.491	5.778				20
21					8.669	60.657	15.576	10.412	5.740				21
22					8.171	57.176	14.909	9.560	5.664				22
23				2.995	7.915	52.649	14.310	9.182	5.588				23
24				3.119	7.892	50.452	15.287	8.911	5.626				24
25				3.422	8.468	49.197	17.233	8.188	5.626				25
26				3.901	9.416	46.763	16.397	8.444	5.588				26
27				4.522	10.243	45.199	15.902	8.495	5.513				27
28				4.852	12.303	42.090	15.679	8.779	5.513				28
29				4.332	14.911	41.170	14.544	8.844	5.550				29
30				3.945	16.890	39.773	13.592	8.068	5.450				30
31					18.758		14.035	7.625					31
TOTAL													
A-F				31.090	288.418	1885.515	658.793	313.952	189.428	26.224			ACRE FEET
INS				.188	1.744	11.404	3.984	1.898	1.145	.158			INCHES
FLOW													
MAX				4.852	18.758	98.942	39.201	13.237	8.082	5.326			MAXIMUM
MIN				.000	3.912	21.791	13.592	7.625	5.450	.000			MINIMUM
TOTAL SEASONAL RUNOFF 3393.423 ACRE FEET, 20.525 INCHES													
SEASONAL PEAK DAILY FLOW 98.943 ACRE FEET, 49.883 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

DAY	JAN	FEB	MAR	APR	MAY	1953		AUG	SEPT	OCT	NOV	DEC	DAY
						JUNE	JULY						
1					2.889	27.389	27.162	15.792	6.603				1
2					2.858	32.167	25.830	15.065	6.479				2
3					2.858	31.977	23.905	13.739	6.360				3
4					2.900	30.353	22.360	12.564	6.242				4
5					2.919	27.155	21.024	12.024	6.125				5
6													6
7					3.058	27.075	19.116	11.444	6.008				7
8					3.228	26.737	18.101	10.903	5.931				8
9					3.276	29.325	17.463	10.591	5.816				9
10					3.197	39.537	18.909	10.266	5.702				10
					3.134	48.603	19.155	10.297	5.588				
11													11
12					3.134	53.621	23.055	9.944	5.475				12
13					3.103	63.029	17.951	9.535	5.400				13
14					3.072	71.814	16.488	9.087	5.289				14
15					3.041	63.397	15.699	9.311	5.178				15
					3.011	58.230	14.907	8.955	5.132				
16													16
17					2.980	54.930	15.386	8.691	5.104				17
18					2.949	53.779	14.716	8.404	4.922				18
19					2.949	55.677	13.162	8.672	4.958				19
20					2.919	62.651	12.170	8.000	4.834				20
					2.889	55.199	11.787	7.704	4.850				
21													21
22					3.385	47.762	11.540	7.558	4.742				22
23					4.476	43.541	11.588	8.285	4.707				23
24					5.174	40.229	11.062	7.704	4.742				24
25				2.591	7.388	37.514	10.701	7.288	4.778				25
				2.577	9.161	34.562	10.498	7.083	4.814				
26													26
27				2.776	10.603	32.030	11.020	7.001	4.760				27
28				3.070	16.616	30.780	12.404	7.288	4.635				28
29				3.197	24.318	30.223	12.100	7.351	4.635				29
30				2.919	22.773	27.611	14.530	7.205	4.529				30
				2.919	18.979	27.461	12.903	7.123					
31						23.196		13.257	6.758				31
TOTAL													
A-F				20.051	206.450	1264.374	499.964	291.651	154.354				ACRE FEET
INS				.121	1.248	7.647	3.023	1.764	.933				INCHES
FLOW													
MAX				3.197	24.318	71.814	27.162	15.792	6.603				MAXIMUM
MIN				.000	2.858	26.737	10.498	6.758	.000				MINIMUM
TOTAL SEASONAL RUNOFF 2436.846 ACRE FEET, 14.739 INCHES													
SEASONAL PEAK DAILY FLOW 71.814 ACRE FEET, 36.206 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

DAY	JAN	FEB	MAR	APR	MAY	1954		AUG	SEPT	OCT	NOV	DEC	DAY
						JUNE	JULY						
1					3.499	11.665	9.672	5.068	3.678	4.088			1
2					3.376	10.669	9.490	4.792	3.777	4.080			2
3					3.944	11.377	8.999	4.565	4.089	4.080			3
4					4.121	12.088	8.603	4.529	4.565	4.080			4
5					4.607	13.184	8.366	6.291	4.216	4.182			5
6													6
7					5.105	12.773	8.128	6.062	4.027	4.148			7
8					5.329	11.539	7.915	4.995	3.928	4.148			8
9					6.125	10.600	7.958	4.600	4.514	4.135			9
10					6.877	10.519	7.704	4.747	4.285	4.285			10
					6.887	10.634	7.495	4.778	3.899	4.494			
11													11
12					6.669	10.617	7.247	4.995	3.811	4.445			12
13					7.540	10.945	7.019	6.125	3.944	4.355			13
14					7.427	11.441	7.518	5.475	3.877	4.407			14
15				3.228	8.845	11.786	7.815	5.068	3.749	4.269			15
				2.980	9.645	11.124	7.453	5.068	3.678	4.925			
16													16
17				2.965	10.328	11.470	7.646	5.141	3.646	4.529			17
18				3.408	12.245	12.920	8.456	4.869	3.580	4.636			18
19				3.493	12.989	14.089	7.083	4.494	3.577				19
20				3.475	15.419	14.562	6.852	4.529	3.580				20
				3.323	17.552	14.130	6.598	4.565	3.510				
21													21
22				3.260	17.939	13.482	6.518	4.886	3.613				22
23				3.460	16.944	13.364	6.758	4.635	3.548				23
24				3.865	15.328	13.263	6.479	4.460	4.854				24
25				4.334	13.935	13.263	6.047	4.182	5.781				25
				4.015	14.179	13.045	6.314	4.216	4.216				
26													26
27				3.642	14.017	12.465	6.264	4.114	4.182				27
28				3.882	12.716	12.962	5.778	4.046	4.420				28
29				4.503	11.912	11.369	5.513	3.945	4.850				29
30				4.498	11.347	10.359	5.215	3.877	4.148				30
				3.754	12.246	9.807	5.438	3.750	4.389				
31						12.317		5.178	3.678				31
TOTAL													
A-F				62.093	311.424	361.525	223.533	146.562	122.946	73.292			ACRE FEET
INS				.375	1.883	2.186	1.352	.886	.743	.443			INCHES
FLOW													
MAX				4.503	17.939	14.562	9.672	6.291	5.781	4.925			MAXIMUM
MIN				.000	3.376	9.807	5.178	3.678	3.510	.000			MINIMUM
TOTAL SEASONAL RUNOFF 1301.379 ACRE FEET, 7.871 INCHES													
SEASONAL PEAK DAILY FLOW 17.940 ACRE FEET, 9.045 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1955 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1					5.254	17.268	21.259	11.318	6.482	4.389			1
2					5.404	17.261	20.571	10.732	6.087	4.424			2
3					4.865	15.861	19.688	11.072	5.970	4.398			3
4					4.541	14.776	18.889	11.417	5.854	4.490			4
5					5.290	14.000	18.102	10.779	5.740	4.922			5
6					6.399	14.756	17.380	11.291	5.664				6
7					8.086	16.996	16.940	11.511	5.626				7
8					7.840	22.681	16.235	11.067	5.513				8
9					5.734	19.861	15.700	9.580	5.289				9
10					5.734	17.435	15.275	8.778	5.141				10
11					6.307	19.343	16.606	8.472	5.141				11
12					7.263	22.706	14.983	8.214	4.995				12
13					8.639	24.969	13.974	8.410	4.916				13
14					11.652	26.715	13.012	9.720	4.995				14
15					13.603	24.520	12.268	8.742	4.995				15
16					10.862	25.141	11.903	8.262	4.958				16
17					10.171	25.147	11.015	8.603	4.894				17
18					8.291	24.520	10.392	11.809	4.886				18
19					7.495	24.520	9.898	9.697	4.850				19
20					9.471	24.569	9.445	8.761	5.146				20
21					12.911	25.328	9.310	7.939	4.886				21
22					14.265	26.398	8.911	7.615	4.707				22
23					14.856	27.226	14.281	7.453	4.565				23
24					16.471	26.406	11.926	7.412	4.621				24
25					16.060	25.203	11.799	7.912	4.671				25
26					14.779	24.335	14.856	8.599	4.603				26
27					12.420	23.538	14.731	10.087	4.600				27
28					11.367	22.887	14.589	9.168	4.565				28
29					12.455	22.569	13.470	7.788	4.601				29
30				4.778	12.794	21.970	12.121	7.413	4.389				30
31					14.717		11.540	6.883					31
TOTAL													
A-F				4.778	306.011	658.921	441.085	286.522	153.361	22.626			ACRE FEET
INS				.028	1.850	3.985	2.667	1.732	.927	.136			INCHES
FLOW													
MAX				4.778	16.471	27.226	21.259	11.809	6.482	4.922			MAXIMUM
MIN				.000	4.541	14.000	8.911	6.883	4.389	.000			MINIMUM
TOTAL SEASONAL RUNOFF 1873.308 ACRE FEET, 11.330 INCHES													
SEASONAL PEAK DAILY FLOW 27.226 ACRE FEET, 13.726 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1956 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1						55.856	21.318	9.196	5.252	3.679			1
2						60.470	19.654	8.822	5.252	3.678			2
3					3.748	57.787	19.019	6.314	5.141	3.711			3
4					4.379	55.299	17.989	5.829	5.141	3.744			4
5					5.061	55.389	17.070	5.236	5.141	3.744			5
6					6.179	54.452	16.451	5.252	5.141	3.744			6
7					7.776	51.897	15.528	4.885	5.104	3.777			7
8					8.976	50.967	14.896	4.762	5.104	3.800			8
9					8.527	50.101	14.691	4.303	5.141	3.744			9
10					7.875	49.471	13.690	4.204	5.013	3.711			10
11					8.221	49.547	13.674	4.182	5.031	3.811			11
12					9.933	52.937	13.486	4.320	5.104	3.811			12
13					9.466	46.239	14.038	4.459	4.995				13
14					7.788	45.242	13.234	4.320	4.850				14
15					7.267	43.732	12.181	5.885	4.742				15
16					7.965	41.058	10.602	5.741	4.635				16
17					11.203	38.516	9.572	4.958	4.494				17
18					15.046	38.014	9.190	4.882	4.389				18
19					17.604	35.643	8.661	11.337	4.285				19
20					20.305	33.597	8.147	9.292	4.182				20
21					24.149	31.157	7.547	7.042	4.080				21
22					30.846	29.038	10.140	6.879	3.978				22
23					38.446	27.547	8.089	6.718	3.877				23
24					36.503	26.145	6.844	6.558	3.777				24
25					39.100	25.736	6.357	6.479	3.678				25
26					41.279	24.644	6.207	6.281	3.678				26
27					39.236	23.416	6.711	5.952	3.580				27
28					39.821	22.569	6.047	5.740	3.678				28
29					43.381	21.851	23.824	5.550	3.646				29
30					46.789	22.475	13.076	5.513	3.646				30
31					52.453		11.851	5.442					31
TOTAL													
A-F					599.336	1220.804	389.801	186.347	135.773	44.961			ACRE FEET
INS					3.625	7.383	2.357	1.127	.821	.271			INCHES
FLOW													
MAX					52.453	60.470	23.824	11.337	5.252	3.811			MAXIMUM
MIN					.000	21.851	6.047	4.182	3.580	.000			MINIMUM
TOTAL SEASONAL RUNOFF 2577.024 ACRE FEET, 15.587 INCHES													
SEASONAL PEAK DAILY FLOW 60.470 ACRE FEET, 30.487 CUBIC FEET PER SECOND													



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1957 JULY	AUG	SEPT	OCT	NOV	DEC	OAY
1						6.006	106.951	23.294	9.853	5.513			1
2						8.477	97.001	21.614	9.355	5.475			2
3						11.581	102.429	19.002	8.910	5.289			3
4						14.315	97.531	18.437	8.560				4
5						18.923	83.321	19.380	8.257				5
6						24.549	75.802	20.107	8.257				6
7						31.080	72.471	17.490	8.086				7
8						34.567	63.954	16.559	7.788				8
9						35.965	57.400	16.127	7.426				9
10						37.612	54.794	15.593	7.123				10
11						35.868	51.694	15.169	7.164				11
12						37.962	49.548	14.907	7.029				12
13						39.785	46.964	14.283	7.628				13
14						32.263	45.236	13.719	8.326				14
15						34.434	41.868	16.702	8.845				15
16						31.962	40.545	15.064	8.205				16
17						27.566	41.103	13.923	7.620				17
18						32.986	48.166	13.364	6.960				18
19						39.045	49.851	13.364	6.839				19
20						42.052	37.657	13.062	7.288				20
21						40.723	35.188	15.408	7.042				21
22						35.018	33.459	14.128	6.541				22
23						36.538	33.459	13.062	6.638				23
24					2.709	41.900	30.888	12.515	6.399				24
25					2.701	52.801	28.516	12.416	6.164				25
26					2.791	63.773	28.386	12.416	6.047				26
27					2.927	71.351	27.804	11.878	5.854				27
28					3.113	80.823	26.019	11.205	5.854				28
29					3.736	105.120	26.145	11.492	5.702				29
30					4.737	111.015	25.516	10.968	5.588				30
31					5.499		23.966	10.452					31
TOTAL													
A-F					28.216	1216.076	1583.648	467.114	221.365	16.277			ACRE FEET
INS					.170	7.355	9.578	2.825	1.338	.098			INCHES
FLOW													
MAX					5.499	111.015	106.951	23.294	9.853	5.513			MAXIMUM
MIN					.000	6.006	23.966	10.452	5.588	.000			MINIMUM

TOTAL SEASONAL RUNOFF 3532.699 ACRE FEET, 21.367 INCHES  
SEASONAL PEAK DAILY FLOW 111.016 ACRE FEET, 55.970 CUBIC FEET PER SECOND

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1958 JULY	AUG	SEPT	OCT	NOV	DEC	OAY
1						50.684	15.806	6.120	4.046	3.548			1
2						51.617	15.593	5.961	3.911	3.515			2
3						52.106	14.750	5.855	3.991	3.399			3
4						50.635	14.257	5.882	3.944	3.387			4
5						52.127	13.617	5.836	3.811	3.387			5
6						53.486	12.713	5.570	3.744	3.419			6
7						53.437	12.138	5.394	3.761	3.371			7
8					4.110	50.717	11.338	5.181	3.740	3.355			8
9					3.613	47.396	10.593	5.104	3.819	3.260			9
10					3.800	43.075	10.137	5.651	3.811	3.291			10
11					5.416	39.548	9.793	5.404	3.777	3.323			11
12					7.883	35.713	9.519	5.129	3.777	3.291			12
13					7.830	33.169	9.158	4.995	3.744	3.291			13
14					6.914	32.075	8.904	4.958	3.744				14
15					5.908	29.613	8.686	4.958	3.744				15
16					5.874	28.527	8.516	4.779	3.711				16
17					6.443	27.067	8.430	4.778	3.711				17
18					8.533	27.219	8.902	6.940	3.678				18
19					11.393	25.956	8.307	5.748	3.678				19
20					15.338	24.520	7.964	5.031	3.678				20
21					20.081	25.444	7.831	4.778	3.646				21
22					22.951	22.870	7.711	5.319	3.646				22
23					31.367	21.941	7.254	5.463	3.646				23
24					37.190	21.495	7.105	5.113	3.613				24
25					40.162	22.268	7.100	4.707	3.586				25
26					41.955	20.497	6.996	4.523	3.483				26
27					45.039	18.551	8.638	4.494	3.483				27
28					50.177	17.767	6.957	4.454	3.451				28
29					54.365	17.214	6.301	4.494	3.411				29
30					54.179	16.528	6.631	4.260	3.515				30
31					52.356		6.399	4.148					31
TOTAL													
A-F					542.888	1013.279	298.060	161.044	111.317	43.843			ACRE FEET
INS					3.283	6.128	1.802	.974	.673	.265			INCHES
FLOW													
MAX					54.365	53.486	15.806	6.940	4.046	3.548			MAXIMUM
MIN					.000	16.528	6.301	4.148	3.411	.000			MINIMUM

TOTAL SEASONAL RUNOFF 2170.434 ACRE FEET, 13.128 INCHES  
SEASONAL PEAK DAILY FLOW 54.365 ACRE FEET, 27.409 CUBIC FEET PER SECOND



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1959 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1						15.766	23.843	10.732	4.671				1
2						16.464	22.637	10.014	4.600				2
3						16.559	22.269	10.190	4.459				3
4						18.132	21.614	9.990	4.320				4
5						21.241	21.141	8.822	4.182				5
6						26.003	20.381	8.790	4.046				6
7						31.152	19.918	8.257	3.944				7
8						34.013	19.401	7.662	3.811				8
9						37.235	18.269	7.412	3.711				9
10						39.590	17.656	7.123	3.678				10
11					3.275	39.771	16.995	7.001	3.646				11
12					4.435	39.347	15.918	7.123	3.515				12
13					5.273	39.121	15.699	6.920	3.419				13
14					6.847	39.307	15.117	6.758	3.516				14
15					8.210	40.133	14.762	6.678	3.734				15
16					8.355	42.670	15.171	6.439	5.366				16
17					8.296	41.196	13.806	6.242	4.600				17
18					8.826	39.022	13.162	6.086	4.343				18
19					8.563	39.893	12.614	6.125	3.911				19
20					7.704	43.817	12.024	6.125	3.877				20
21					7.001	41.759	11.540	6.086	3.711				21
22					6.668	38.049	10.826	5.778	3.613				22
23					7.092	34.841	10.405	5.513	3.811				23
24					8.773	33.859	10.098	6.465	4.012				24
25					8.818	32.572	9.960	6.518	4.148				25
26					8.075	30.215	10.513	6.008	4.182				26
27					8.814	29.248	9.724	5.588	4.389				27
28					11.049	30.773	9.221	5.252	4.355				28
29					13.331	27.162	9.760	5.104	4.285				29
30					14.424	25.384	10.609	4.958	4.074				30
31					14.979		12.637	4.814					31
TOTAL					178.818	984.308	467.703	216.589	121.944				ACRE FEET
A-F					1.081	5.953	2.828	1.310	.737				INCHES
FLOW					14.979	43.817	23.843	10.732	5.366				MAXIMUM
MAX					.000	15.766	9.221	4.814	3.419				MINIMUM
MIN													

TOTAL SEASONAL RUNOFF 1969.366 ACRE FEET, 11.911 INCHES  
SEASONAL PEAK DAILY FLOW 43.818 ACRE FEET, 22.091 CUBIC FEET PER SECOND

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1960 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1						22.854	25.778	11.011	5.215	3.678			1
2						26.240	25.016	9.671	5.178	3.646			2
3						30.808	25.016	9.087	5.141	3.613			3
4						35.453	23.843	8.735	5.068	3.580			4
5						39.096	22.629	8.528	5.031	3.548			5
6						35.165	21.792	8.257	4.958	3.646			6
7						33.678	21.053	7.958	4.922	3.548			7
8						34.631	19.918	7.704	4.850	3.613			8
9						34.867	18.945	7.495	4.814	3.697			9
10					3.527	36.000	19.358	7.329	4.742	3.744			10
11					4.706	35.764	19.059	7.083	4.707	3.613			11
12					6.694	34.227	17.989	6.839	4.635	3.515			12
13					8.465	35.175	17.269	6.715	4.600	3.520			13
14					8.960	36.675	16.451	6.718	4.529	3.744			14
15					8.989	40.320	15.954	6.439	4.494	3.419			15
16					9.088	47.918	15.169	6.439	4.459	3.679			16
17					9.884	52.325	14.802	6.518	4.389	3.678			17
18					9.854	51.823	14.283	6.203	4.355	3.580			18
19					8.801	51.514	13.719	6.044	4.285	3.646			19
20					8.473	50.418	13.213	5.893	4.251	3.483			20
21					9.746	46.149	12.812	5.664	4.182	3.435			21
22					10.828	42.439	12.632	5.588	4.148	3.451			22
23					13.491	38.157	12.515	5.854	4.080	3.419			23
24					13.775	34.870	12.170	5.513	4.046	3.419			24
25					12.962	32.844	11.492	6.125	3.978	3.291			25
26					14.159	31.693	10.968	5.438	3.911	3.198			26
27					16.722	30.356	10.405	5.400	3.877				27
28					16.506	29.038	10.711	5.363	3.811				28
29					17.804	28.062	10.656	5.326	3.777				29
30					19.459	27.098	10.128	5.289	3.711				30
31					20.620		11.682	5.252					31
TOTAL					253.522	1105.671	507.443	211.489	134.159	92.416			ACRE FEET
A-F					1.533	6.687	3.069	1.279	.811	.558			INCHES
FLOW					20.620	52.325	25.778	11.011	5.215	3.744			MAXIMUM
MAX					.000	22.854	10.128	5.252	3.711	.000			MINIMUM
MIN													

TOTAL SEASONAL RUNOFF 2304.705 ACRE FEET, 13.940 INCHES  
SEASONAL PEAK DAILY FLOW 52.325 ACRE FEET, 26.380 CUBIC FEET PER SECOND

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

DAY	JAN	FEB	MAR	APR	MAY	1961		AUG	SEPT	OCT	NOV	DEC	DAY
						JUNE	JULY						
1						24.229	19.719	8.090	5.702				1
2						23.463	18.381	7.873	5.626				2
3						20.536	17.324	7.370	5.893				3
4						19.194	17.662	7.001	5.970				4
5						19.114	16.611	6.718	6.770				5
6						19.773	15.169	6.583	7.217				6
7						23.634	15.169	6.524	7.873				7
8						28.441	14.646	7.106	8.534				8
9						29.770	14.231	6.540	8.962				9
10						30.381	13.465	6.320	8.738				10
11						30.945	13.062	6.047	7.746				11
12						31.592	12.443	6.793	7.329				12
13						30.727	11.636	6.558	7.042				13
14						28.570	11.348	6.164	6.879				14
15						26.985	11.205	5.854	6.718				15
16						27.627	10.325	6.620	6.718				16
17						28.285	9.762	7.468	6.638				17
18						27.099	9.310	6.360	6.963				18
19					5.800	26.934	8.981	5.816	7.288				19
20					6.770	28.021	10.652	5.550	7.412				20
21					7.267	27.039	11.379	5.550	7.559				21
22					8.086	26.107	9.625	5.438	7.453				22
23					8.284	24.684	8.485	5.212	7.288				23
24					8.276	23.599	8.214	6.048	6.809				24
25					8.766	22.569	8.257	6.008	7.796				25
26					10.151	21.970	8.177	5.702	7.070				26
27					12.331	21.068	7.662	5.400	6.880				27
28					13.030	20.614	8.371	5.178	7.083				28
29					16.376	19.918	7.704	4.995	7.453				29
30					19.382	20.123	7.736	6.149	6.920				30
31					20.822		8.300	6.320					31
TOTAL													
A-F					145.346	753.028	365.026	195.371	214.343				ACRE FEET
INS					.879	4.554	2.207	1.181	1.296				INCHES
FLOW													
MAX					20.822	31.592	19.719	8.090	8.962				MAXIMUM
MIN					.000	19.114	7.662	4.995	5.626				MINIMUM
TOTAL SEASONAL RUNOFF						1673.116 ACRE FEET,		10.120 INCHES					
SEASONAL PEAK DAILY FLOW						31.592 ACRE FEET,		15.928 CUBIC FEET PER SECOND					

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

DAY	JAN	FEB	MAR	APR	MAY	1962		AUG	SEPT	OCT	NOV	DEC	DAY
						JUNE	JULY						
1					4.958	20.091	61.414	14.517	6.758				1
2					4.922	22.210	52.199	13.823	6.608				2
3					4.958	25.273	49.668	13.841	6.439				3
4					5.400	29.699	46.838	13.531	6.320				4
5					6.028	31.396	44.179	12.534					5
6					6.926	33.524	42.174	11.968					6
7					8.885	35.027	40.649	11.412					7
8					10.743	30.688	39.236	10.992					8
9					13.755	29.384	37.942	10.697					9
10					16.300	30.986	35.224	10.348					10
11					19.489	33.865	32.664	10.307					11
12					23.721	40.612	35.367	10.036					12
13					24.832	46.501	32.435	9.716					13
14					22.857	48.349	29.563	9.310					14
15					21.851	47.994	27.226	9.078					15
16					21.732	44.179	25.016	8.869					16
17					20.439	40.838	24.229	8.757					17
18					19.059	40.399	23.173	8.720					18
19				4.001	21.614	43.381	22.149	10.761					19
20				4.565	20.091	49.376	21.459	9.332					20
21				4.529	19.173	54.633	20.776	9.356					21
22				3.923	17.809	57.007	19.925	8.688					22
23				4.046	17.490	55.057	19.885	8.584					23
24				4.837	18.832	54.349	19.549	8.683					24
25				5.457	19.860	54.329	19.093	8.128					25
26				5.588	20.178	54.803	18.663	7.831					26
27				4.922	20.033	54.124	17.643	7.661					27
28				5.068	18.832	53.266	16.668	7.370					28
29				5.400	18.388	55.848	15.913	7.123					29
30				4.995	18.550	60.038	15.337	7.040					30
31					19.458		15.077	6.879					31
TOTAL													
A-F				57.336	507.180	1277.243	921.349	305.907	26.127				ACRE FEET
INS				.346	3.067	7.725	5.572	1.850	.158				INCHES
FLOW													
MAX				5.588	24.832	60.038	61.414	14.517	6.758				MAXIMUM
MIN				.000	4.922	20.091	15.077	6.879	.000				MINIMUM
TOTAL SEASONAL RUNOFF						3095.146 ACRE FEET,		18.721 INCHES					
SEASONAL PEAK DAILY FLOW						61.414 ACRE FEET,		30.963 CUBIC FEET PER SECOND					

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1963 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1						14.066	8.490						1
2						15.633	8.247						2
3						15.500	8.161						3
4					3.308	14.508	7.868						4
5					3.739	14.204	7.594						5
6					4.748	13.788	7.352						6
7					5.702	13.799	6.982						7
8					6.425	13.484	6.951						8
9					8.325	14.360	7.780						9
10					8.996	13.044	7.428						10
11					9.838	11.796	6.879						11
12					8.952	11.626	6.605						12
13					9.285	12.604	6.439						13
14					9.825	13.086	6.281						14
15					12.490	14.612	6.198						15
16					12.083	18.213	6.047						16
17					12.301	14.457	5.931						17
18					13.944	14.894	5.740						18
19					12.727	13.783	5.491						19
20					12.966	13.117	5.326						20
21					13.156	12.590	5.293						21
22					12.679	12.126	7.059						22
23					13.235	11.884	6.667						23
24					14.493	11.311	5.993						24
25					13.995	10.989							25
26					13.291	10.430							26
27					13.515	10.049							27
28					14.104	9.608							28
29					14.298	9.266							29
30					14.562	8.647							30
31					14.068								31
TOTAL					307.068	387.488	162.813						ACRE FEET
A-F					1.857	2.343	.984						INCHES
FLOW					14.562	18.213	8.490						MAXIMUM
MAX					.000	8.647	.000						MINIMUM
MIN													
TOTAL SEASONAL RUNOFF							857.371 ACRE FEET,	5.186 INCHES					
SEASONAL PEAK DAILY FLOW							18.214 ACRE FEET,	9.183 CUBIC FEET PER SECONO					

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1964 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1						15.527	18.646	8.871	3.663	3.871			1
2						15.562	18.234	8.409	3.509	3.782			2
3						15.667	18.030	8.304	3.583	3.683			3
4						15.751	17.800	9.188	3.554	3.634			4
5						16.569	17.703	8.162	3.522	3.595			5
6						18.909	17.221	7.444	3.532	3.655			6
7						24.319	16.459	9.329	3.504	3.500			7
8						23.228	15.921	8.698	3.446	3.419			8
9						22.592	15.426	7.429	3.563	3.395			9
10						26.222	15.496	6.919	3.464	3.508			10
11						27.236	14.872	6.485	3.437	3.495			11
12						26.389	14.168	6.363	3.422	3.443			12
13						25.646	13.715	6.241	3.387	3.419			13
14					3.806	23.514	13.369	6.053	3.458				14
15					5.191	24.871	12.778	5.824	3.442				15
16					6.262	26.448	12.459	5.874	3.512				16
17					4.576	26.949	12.073	5.708	3.483				17
18					9.066	25.021	11.653	5.377	3.732				18
19					9.525	23.345	10.953	5.767	4.541				19
20					11.724	22.430	10.473	5.680	4.242				20
21					15.173	21.307	9.908	5.285	4.126				21
22					16.890	20.469	10.013	5.015	4.046				22
23					17.218	19.508	10.161	4.788	3.960				23
24					18.883	19.718	10.967	4.663	3.911				24
25					22.442	20.111	9.394	4.651	3.971				25
26					25.288	20.018	8.915	4.503	4.115				26
27					23.313	19.874	8.508	5.137	4.221				27
28					22.016	19.998	8.217	4.481	4.051				28
29					19.757	19.642	8.143	4.535	3.946				29
30					17.802	19.005	8.803	4.221	3.898				30
31					16.373		9.995	3.912					31
TOTAL					265.314	645.861	400.492	193.333	112.256	46.404			ACRE FEET
A-F					1.604	3.906	2.422	1.169	.678	.280			INCHES
FLOW					25.288	27.236	18.646	9.329	4.541	3.871			MAXIMUM
MAX					.000	15.527	8.143	3.912	3.387	.000			MINIMUM
MIN													
TOTAL SEASONAL RUNOFF							1663.662 ACRE FEET,	10.062 INCHES					
SEASONAL PEAK DAILY FLOW							27.236 ACRE FEET,	13.732 CUBIC FEET PER SECONO					

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1965 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1					2.404	10.995	40.867	20.208	7.712	5.200			1
2					2.907	11.356	41.046	18.362	7.673	5.533			2
3					2.955	13.299	39.904	18.272	7.825	5.587			3
4					3.175	13.513	37.771	17.173	7.483	5.308			4
5					3.004	12.728	36.206	16.331	7.232	5.083			5
6					2.504	13.304	34.807	15.269	6.997	4.853			6
7					2.276	15.299	33.290	14.624	6.993	4.757			7
8					2.240	19.238	32.391	13.894	6.701	4.609			8
9					2.002	23.574	30.250	13.220	6.341	4.468			9
10					1.830	32.269	29.404	12.716	6.130	4.394			10
11					1.871	34.090	28.435	12.342	6.252	4.286			11
12					2.217	29.464	28.333	11.935	6.146	4.116			12
13					2.534	37.130	26.935	11.538	5.770	4.105			13
14					2.304	42.136	25.057	11.287	5.544	4.067			14
15					2.181	49.566	23.149	11.042	5.491	4.046			15
16					2.402	62.038	24.545	10.510	5.187	4.080			16
17					3.873	75.643	23.990	10.813	5.497	4.080			17
18					4.342	74.988	24.357	12.380	5.560	4.046			18
19					4.748	70.553	24.572	15.472	5.920	4.080			19
20					6.312	66.071	23.128	14.051	5.785	4.106			20
21					8.072	61.821	22.257	11.769	5.279	4.176			21
22				1.627	12.168	57.092	23.453	10.749	5.503	1.819			22
23				1.757	13.990	52.293	26.688	10.386	5.492				23
24				1.666	11.791	51.650	27.046	10.041	5.808				24
25				1.323	9.357	49.358	24.073	9.436	5.815				25
26				1.208	8.130	45.867	22.167	8.951	5.691				26
27				1.231	7.325	42.533	21.994	8.686	5.385				27
28				1.217	6.865	42.865	20.327	8.579	5.347				28
29				1.369	7.321	43.448	18.743	8.684	5.489				29
30				1.822	9.289	41.678	18.858	8.420	5.072				30
31					10.720		24.933	8.037					31
TOTAL													
A-F				13.226	163.125	1195.873	858.991	385.192	183.133	96.807			ACRE FEET
INS				.079	.986	7.233	5.195	2.329	1.107	.585			INCHES
FLOW													
MAX				1.822	13.990	75.643	41.046	20.208	7.825	5.587			MAXIMUM
MIN				.000	1.830	10.995	18.743	8.037	5.072	.000			MINIMUM
TOTAL SEASONAL RUNOFF 2896.349 ACRE FEET, 17.518 INCHES													
SEASONAL PEAK DAILY FLOW 75.643 ACRE FEET, 38.136 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1966 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1					2.682	18.319	12.468	5.336	3.418	2.595			1
2					3.145	20.084	11.622	5.224	3.357	2.680			2
3					3.633	20.383	10.912	5.734	3.228	2.940			3
4					4.590	19.502	10.214	6.621	3.632	2.952			4
5					5.557	18.124	10.026	5.657	2.810	3.040			5
6					6.316	16.441	9.833	5.373	2.986	3.022			6
7					7.779	15.981	9.231	4.778	3.031	3.018			7
8					7.693	16.572	8.869	4.413	3.106	2.943			8
9					7.511	15.740	8.722	4.555	2.805	2.768			9
10					7.264	16.695	8.775	4.423	2.770	2.589			10
11					5.616	16.697	9.317	4.168	2.986	2.745			11
12					4.793	16.562	8.788	4.809	3.693	1.282			12
13					4.704	15.242	8.568	4.298	3.051				13
14					4.526	15.363	8.059	4.128	2.869				14
15					4.711	16.166	7.643	3.884	3.479				15
16					6.038	16.074	7.444	3.648	3.225				16
17					6.593	15.710	9.029	3.619	3.085				17
18					7.336	15.645	8.756	3.515	2.848				18
19					8.119	15.251	9.146	4.054	2.677				19
20					9.558	15.321	8.311	4.304	2.660				20
21					12.260	14.529	8.794	3.868	2.614				21
22					15.111	14.359	15.446	3.490	2.510				22
23				1.817	13.453	14.108	7.752	3.344	2.498				23
24				1.791	13.782	13.608	7.335	3.276	2.557				24
25				2.009	16.737	13.245	7.114	3.111	2.980				25
26				2.305	15.534	13.165	7.017	3.051	2.629				26
27				2.020	13.901	12.402	7.347	3.026	2.617				27
28				1.802	13.805	12.007	6.464	2.898	2.594				28
29				2.045	15.797	11.858	5.973	2.799	2.519				29
30				2.445	20.295	12.603	5.686	2.884	2.584				30
31					19.807		5.459	3.088					31
TOTAL													
A-F				16.239	288.662	467.772	270.132	127.391	86.631	32.580			ACRE FEET
INS				.098	1.745	2.829	1.633	.770	.523	.197			INCHES
FLOW													
MAX				2.445	20.295	20.383	15.446	6.621	3.479	3.040			MAXIMUM
MIN				.000	2.682	11.858	5.459	2.799	2.498	.000			MINIMUM
TOTAL SEASONAL RUNOFF 1289.410 ACRE FEET, 7.799 INCHES													
SEASONAL PEAK DAILY FLOW 20.384 ACRE FEET, 10.277 CUBIC FEET PER SECOND													



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1967 JULY	AUG	SEPT	OCT	NOV	OEC	
OAY													DAY
1					1.689	18.272	31.550	8.351	4.074	3.139			1
2					1.689	25.494	30.025	8.129	3.963	3.006			2
3					1.740	29.079	28.300	7.610	3.787	2.905			3
4					1.689	30.572	28.553	8.505	3.570	3.411			4
5					1.689	31.415	26.953	7.679	3.506	3.448			5
6					1.689	34.992	25.267	7.736	3.451	3.319			6
7					1.801	32.817	24.282	8.988	3.338	3.234			7
8					2.232	30.904	23.204	7.969	3.392	3.144			8
9					2.936	33.606	21.670	7.891	3.540	3.072			9
10					3.048	31.181	20.053	7.363	3.420	3.174			10
11					2.667	29.775	19.095	6.708	3.848	3.011			11
12					2.813	28.570	18.290	6.343	5.756	2.858			12
13					2.890	28.100	17.010	6.053	3.859	2.790			13
14					2.389	28.202	16.317	5.949	3.584	1.695			14
15					2.220	26.486	16.916	5.890	3.491	2.651			15
16					2.277	26.938	15.423	5.679	3.777	2.690			16
17					3.146	27.770	15.074	5.323	3.685	2.877			17
18					4.274	35.215	14.304	5.113	3.638	.868			18
19					5.224	34.998	13.680	5.001	4.258				19
20				1.539	5.287	37.287	13.060	4.839	3.733				20
21				1.558	6.501	38.140	12.368	4.676	3.371				21
22				1.539	9.726	39.487	12.029	4.604	3.276				22
23				1.589	12.743	39.259	12.161	4.481	3.247				23
24				1.539	16.674	38.264	11.433	4.317	3.151				24
25				1.539	20.107	36.124	10.831	4.232	3.836				25
26				1.550	19.670	35.924	10.362	4.167	5.116				26
27				1.589	14.710	34.893	10.246	4.147	4.102				27
28				1.763	15.782	33.475	9.591	4.107	3.494				28
29				2.190	16.666	31.683	9.130	4.046	3.345				29
30				2.949	16.300	31.757	8.726	4.253	3.261				30
31					14.793		8.766	4.181					31
TOTAL				19.350	217.076	960.695	534.683	184.346	111.885	51.300			ACRE FEET
A-F				.117	1.312	5.810	3.233	1.115	.676	.310			INCHES
FLOW				2.949	20.107	39.487	31.550	8.988	5.756	3.448			MAXIMUM
MAX				.000	1.689	18.272	8.726	4.046	3.151	.000			MINIMUM
MIN													
TOTAL SEASONAL RUNOFF 2079.340 ACRE FEET, 12.577 INCHES													
SEASONAL PEAK DAILY FLOW 39.487 ACRE FEET, 19.908 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1968 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													OAY
1					1.442	11.109	24.937	8.342	4.270	3.588			1
2					1.442	14.472	23.270	7.798	4.187	3.419			2
3					1.689	19.113	22.030	7.926	5.650	3.419			3
4					1.689	22.240	20.932	7.239	5.269	3.419			4
5					1.689	29.888	20.866	8.228	5.224	3.419			5
6					1.689	32.804	19.230	9.487	5.024	3.393			6
7					1.689	30.529	17.994	8.627	4.683	3.356			7
8					1.689	30.035	17.491	7.940	4.277	3.357			8
9					1.689	27.885	16.483	9.558	3.992	3.419			9
10					1.689	24.620	16.314	9.174	3.922	3.419			10
11					1.689	23.137	15.944	8.148	3.814	3.419			11
12					1.689	29.832	15.104	7.511	3.758	3.419			12
13					1.689	37.943	14.452	7.194	3.744	3.419			13
14					1.689	36.111	13.873	8.058	3.762	3.419			14
15					1.689	36.415	13.227	7.264	4.053	3.419			15
16					1.689	41.594	12.532	6.496	4.299	1.282			16
17					1.689	44.003	12.021	6.132	4.112				17
18					1.689	48.394	11.552	5.996	4.870				18
19					1.689	48.907	11.321	5.691	4.759				19
20					1.689	52.907	10.843	5.522	4.513				20
21					2.133	52.505	10.341	5.514	4.263				21
22					3.446	49.523	10.334	5.346	4.080				22
23					3.518	46.763	10.340	5.331	4.080				23
24					3.066	44.286	9.754	5.001	3.919				24
25					2.798	39.701	9.460	4.960	3.744				25
26					2.614	34.741	9.120	4.776	3.666				26
27					2.696	34.610	8.945	5.281	3.599				27
28					3.819	34.554	9.541	5.144	3.453				28
29					5.778	32.208	9.095	5.162	3.744				29
30					7.484	28.278	9.168	4.642	3.592				30
31					9.351		9.033	4.496					31
TOTAL					80.005	1039.120	435.563	207.997	126.337	52.590			ACRE FEET
A-F					.483	6.285	2.634	1.258	.764	.318			INCHES
FLOW					9.351	52.907	24.937	9.558	5.650	3.588			MAXIMUM
MAX					1.442	11.109	8.945	4.496	3.453	.000			MINIMUM
MIN													
TOTAL SEASONAL RUNOFF 1941.615 ACRE FEET, 11.744 INCHES													
SEASONAL PEAK DAILY FLOW 52.907 ACRE FEET, 26.674 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1969 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
OAY													
1					2.762	34.368	28.750	9.247	4.623	3.863			1
2					3.361	30.283	29.877	8.822	4.478	3.683			2
3					3.959	29.777	31.685	8.583	4.480	4.052			3
4					3.820	32.702	32.087	8.369	4.516	4.080			4
5					3.689	41.562	29.488	8.002	4.310	4.080			5
6					3.909	42.864	27.011	7.516	4.086	4.091			6
7					4.513	37.832	25.062	7.141	4.170	4.269			7
8					3.252	41.959	23.128	6.781	4.049	4.029			8
9					3.307	41.019	21.997	6.601	4.223	4.020			9
10					3.795	37.198	21.080	6.370	4.356	3.961			10
11					4.405	31.924	20.059	6.484	4.164	3.842			11
12					4.683	28.562	19.341	6.650	4.108	7.711			12
13					5.048	26.789	19.177	6.492	3.933	7.031			13
14					5.434	25.861	19.852	6.012	3.894				14
15					5.621	29.026	18.931	5.676	5.077				15
16					5.631	30.924	17.574	5.632	5.660				16
17					6.430	32.163	16.625	5.584	5.279				17
18					7.600	30.772	15.794	6.218	4.623				18
19					9.455	32.290	15.641	5.827	4.273				19
20					12.816	38.651	17.971	7.659	4.184				20
21					15.108	40.711	15.317	8.569	4.108				21
22					16.946	36.699	14.071	6.368	4.313				22
23				2.470	16.844	34.296	13.137	5.691	4.162				23
24				2.799	16.791	37.511	12.378	5.338	3.964				24
25				2.612	20.819	30.571	11.819	5.047	3.888				25
26				2.220	30.067	26.767	11.377	4.938	3.744				26
27				2.085	38.412	27.146	10.913	4.765	3.744				27
28				1.949	40.599	28.442	10.337	4.839	3.744				28
29				1.786	43.126	28.747	10.549	6.084	3.643				29
30				2.113	49.434	28.419	10.341	5.837	3.877				30
31					44.743		9.805	4.978					31
TOTAL													
A-F				18.038	436.397	995.851	581.190	202.136	127.692	58.717			ACRE FEET
INS				.109	2.639	6.023	3.515	1.222	.772	.355			INCHES
FLOW													
MAX				2.799	49.434	42.864	32.087	9.247	5.660	7.711			MAXIMUM
MIN				.000	2.762	25.861	9.805	4.765	3.643	.000			MINIMUM
TOTAL SEASONAL RUNOFF 2420.024 ACRE FEET, 14.637 INCHES													
SEASONAL PEAK DAILY FLOW 49.435 ACRE FEET, 24.923 CUBIC FEET PER SECONO													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1970 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
OAY													
1						31.565	45.156	10.614	6.323	4.865			1
2						30.834	41.204	10.408	6.281	4.745			2
3						32.526	38.567	14.098	5.841	4.731			3
4					1.632	36.084	37.643	12.064	5.651	4.653			4
5					1.870	38.658	37.179	11.197	5.884	4.498			5
6					2.207	38.443	34.215	12.067	6.545	4.524			6
7					2.625	39.664	31.733	12.831	5.754	4.445			7
8					2.384	42.643	31.203	11.571	5.358	5.849			8
9					2.073	44.121	31.696	10.287	5.327	8.431			9
10					2.159	42.505	28.897	9.660	5.001	4.497			10
11					3.124	38.904	28.096	9.173	4.952	4.424			11
12					4.323	35.044	26.487	8.799	5.087	4.457			12
13					4.589	34.776	24.324	8.440	7.373	4.381			13
14					4.118	35.634	23.654	8.398	5.378	1.664			14
15					3.798	37.239	22.262	8.258	5.084				15
16					5.388	40.561	20.837	7.941	4.978				16
17					7.807	45.309	19.706	7.692	4.778				17
18					10.304	52.680	18.838	7.315	4.697				18
19					11.898	55.887	18.152	7.349	4.609				19
20					15.829	55.344	16.994	9.379	4.462				20
21					19.830	57.400	16.057	10.853	4.689				21
22					23.096	59.962	15.710	8.882	5.069				22
23					25.312	59.846	15.315	7.727	5.041				23
24					27.578	60.068	14.550	7.297	4.892				24
25					29.247	61.829	13.867	6.893	5.598				25
26					32.777	61.433	13.481	6.969	5.070				26
27					35.890	60.048	12.869	7.092	4.983				27
28					35.100	58.414	12.229	6.727	5.023				28
29					35.489	55.524	11.879	6.415	5.161				29
30					38.919	50.237	11.397	6.257	5.120				30
31					36.477		11.030	6.095					31
TOTAL													
A-F					425.858	1393.196	725.243	278.760	160.024	66.172			ACRE FEET
INS					2.575	8.426	4.386	1.686	.967	.400			INCHES
FLOW													
MAX					38.919	61.829	45.156	14.098	7.373	8.431			MAXIMUM
MIN					.000	30.834	11.030	6.095	4.462	.000			MINIMUM
TOTAL SEASONAL RUNOFF 3049.256 ACRE FEET, 18.443 INCHES													
SEASONAL PEAK DAILY FLOW 61.830 ACRE FEET, 31.172 CUBIC FEET PER SECONO													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
EAST ST. LOUIS CREEK 1984 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1971 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
OAY													
1					1.032	14.085	52.631	11.316	6.366	4.099			1
2					1.233	16.775	49.898	10.842	6.265	3.953			2
3					1.653	20.675	47.928	10.307	6.229	4.080			3
4					1.845	20.274	45.840	10.090	6.583	4.164			4
5					1.663	19.572	43.443	9.664	6.997	4.064			5
6					1.442	22.375	40.920	9.186	6.730	4.067			6
7					1.496	25.376	38.507	8.850	8.402	3.992			7
8					1.674	26.056	36.643	8.467	10.555	3.772			8
9					1.442	26.317	36.712	9.057	6.088	3.779			9
10					1.442	26.376	34.480	8.773	5.366	3.623			10
11					1.442	28.503	32.423	8.197	5.047	3.443			11
12					1.666	29.221	30.818	8.599	4.960	3.419			12
13					2.311	30.386	29.829	7.945	4.649	3.412			13
14					2.680	35.335	28.533	7.498	4.642	3.271			14
15					2.701	42.482	26.845	7.242	4.664	3.143			15
16					4.247	49.202	25.365	6.918	4.686	3.162			16
17					4.967	56.278	24.086	6.855	4.646	3.245			17
18					3.825	65.355	23.999	6.742	4.871	3.129			18
19					3.575	71.261	24.519	6.937	4.988	2.954			19
20					3.419	72.360	21.884	6.496	4.837	3.868			20
21				1.023	3.705	74.500	20.914	6.103	4.778	3.275			21
22				.989	4.259	75.655	21.210	5.871	4.749	3.100			22
23				.951	4.187	77.653	19.046	6.139	4.619	3.068			23
24				.944	3.758	80.721	17.665	6.178	4.601	3.025			24
25				.859	3.906	80.761	16.619	6.261	4.468	3.040			25
26				.923	4.806	79.548	15.551	7.073	4.424	2.903			26
27				.806	7.239	76.436	14.631	7.342	4.112	1.289			27
28				.800	10.596	71.076	13.996	9.592	4.083				28
29				.785	14.133	64.290	13.344	9.120	4.055				29
30				.808	13.525	57.892	12.630	7.764	4.080				30
31					12.311		12.027	6.900					31
TOTAL													
A-F				8.892	128.196	1436.811	872.948	248.341	161.555	92.351			ACRE FEET
INS				.053	.775	8.690	5.279	1.502	.977	.558			INCHES
FLOW													
MAX				1.023	14.133	80.761	52.631	11.316	10.555	4.164			MAXIMUM
MIN				.000	1.032	14.085	12.027	5.871	4.055	.000			MINIMUM
TOTAL SEASONAL RUNOFF 2949.098 ACRE FEET, 17.837 INCHES													
SEASONAL PEAK DAILY FLOW 80.761 ACRE FEET, 40.717 CUBIC FEET PER SECOND													

Steamboat Springs (Park Range)

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
WEST WALTON CREEK 849 ACRES

A. West Walton Creek:

	JAN	FEB	MAR	APR	MAY	JUNE	1967 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
OAY													
1					3.915	46.139	5.336	.597	.389	.427			1
2					3.261	47.440	4.740	.499	.195	.427			2
3					2.935	43.346	4.347	.427	.151	.427			3
4					2.734	39.228	4.479	.464	.151	.754			4
5					2.531	36.223	3.821	.427	.151	.922			5
6					2.590	32.885	3.480	.427	.151	1.000			6
7					2.862	28.609	5.071	.640	.151	1.000			7
8					5.598	28.219	4.375	.996	.662	1.026			8
9					9.394	23.208	3.303	.934	.848	.817			9
10					9.531	19.974	2.588	1.066	.339	.699			10
11					9.321	18.025	2.486	.524	.198	.583			11
12					9.211	18.110	2.538	.419	.775	.427			12
13					8.413	17.341	2.051	.371	.462	.427			13
14				1.213	6.732	20.101	1.822	.307	.280	.427			14
15				2.259	5.715	21.516	1.935	.427	.379	.427			15
16				3.043	5.482	16.448	1.895	.427	.427	.388			16
17				2.350	9.519	15.842	3.830	.427	.427	.386			17
18				2.310	16.678	14.337	3.833	.427	.687	.394			18
19				3.171	24.943	14.400	1.813	.427	1.774	.389			19
20				4.177	28.720	15.998	1.498	.427	1.087	.386			20
21				3.135	33.603	13.166	1.303	.427	.691	.382			21
22				2.639	49.696	14.865	1.110	.408	.540	.355			22
23				2.315	54.047	11.622	1.051	.162	.427	.361			23
24				2.150	67.050	10.084	1.284	.148	.427	.470			24
25				1.949	60.607	10.784	1.140	.151	.427	.434			25
26				1.857	56.508	11.744	.989	.151	.455	.213			26
27				1.892	51.227	8.194	.902	.151	.462				27
28				2.523	50.235	7.718	.868	.228	.427				28
29				4.243	46.683	6.786	.720	.549	.427				29
30				5.722	43.369	5.910	.675	.581	.427				30
31					40.086		.597	.305					31
TOTAL													
A-F				46.954	723.208	618.278	75.896	13.935	14.408	13.959			ACRE FEET
INS				.663	10.222	8.738	1.072	.196	.203	.197			INCHES
FLOW													
MAX				5.722	67.050	47.440	5.336	1.066	1.774	1.026			MAXIMUM
MIN				.000	2.531	5.910	.597	.148	.151	.000			MINIMUM
TOTAL SEASONAL RUNOFF 1506.641 ACRE FEET, 21.295 INCHES													
SEASONAL PEAK DAILY FLOW 67.050 ACRE FEET, 33.804 CUBIC FEET PER SECOND													



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
WEST WALTON CREEK 849 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1968 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1					2.955	55.146	9.824	1.350	.360	.567			1
2					4.305	64.854	8.497	1.198	.389	.567			2
3					5.489	61.574	7.579	3.248	.777	.427			3
4					7.453	60.153	6.838	1.433	1.153	.427			4
5					8.414	66.516	6.830	1.135	.744	.427			5
6					8.123	65.031	6.001	1.126	.531	.410			6
7					5.877	61.219	5.246	.861	.427	.872			7
8					4.918	54.396	5.759	.765	.427	1.383			8
9					5.369	48.876	5.087	.937	.427	1.054			9
10					7.276	46.163	4.403	1.105	.350	1.424			10
11					9.123	57.619	3.885	1.502	.293	1.740			11
12					12.543	68.113	4.117	1.256	.335	1.367			12
13					11.485	77.334	4.073	1.210	.371	1.072			13
14					8.524	70.423	3.170	6.252	.510	.844			14
15					7.454	75.828	2.919	2.229	.510	1.022			15
16					6.526	70.267	2.799	1.277	.689	.736			16
17					5.747	64.714	2.397	.961	.785				17
18				.359	5.226	58.149	2.158	1.087	1.579				18
19				.785	5.647	50.434	1.949	.872	.970				19
20				.785	7.085	44.885	1.859	.701	.648				20
21				24.830	11.066	38.636	1.832	.605	1.002				21
22				.785	17.979	32.930	1.792	.633	.864				22
23				.785	22.368	28.429	1.835	1.685	.727				23
24				.785	17.655	24.854	1.584	.931	.597				24
25				.989	13.246	20.597	1.628	.703	.761				25
26				.989	12.013	17.038	1.339	.467	.675				26
27				.371	12.569	15.294	1.833	.902	.597				27
28				.989	19.465	14.267	1.917	1.181	.597				28
29				1.189	30.298	12.711	1.347	.685	.628				29
30				1.828	38.325	11.438	2.228	.441	.570				30
31					44.663		1.649	.403					31
TOTAL													
A-F				35.473	379.199	1437.904	114.390	39.154	19.309	14.346			ACRE FEET
INS				.501	5.359	20.323	1.616	.553	.272	.202			INCHES
FLOW													
MAX				24.830	44.663	77.334	9.824	6.252	1.579	1.740			MAXIMUM
MIN				.000	2.955	11.438	1.339	.403	.293	.000			MINIMUM
TOTAL SEASONAL RUNOFF 2039.778 ACRE FEET, 28.831 INCHES													
SEASONAL PEAK DAILY FLOW 77.334 ACRE FEET, 38.989 CUBIC FEET PER SECONO													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
WEST WALTON CREEK 849 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1969 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1					10.410	16.283	4.098	1.080	.601	1.403			1
2					16.128	14.025	3.717	.989	.597	1.068			2
3					22.936	12.580	3.511	.989	.556	1.468			3
4					25.663	11.612	3.504	.989	.533	1.208			4
5					27.212	10.948	3.415	.989	.597	1.208			5
6					31.044	10.754	3.079	.904	.581	1.204			6
7					30.798	10.060	2.710	.795	.528	1.335			7
8					28.870	9.374	2.397	.734	.551	1.458			8
9					33.965	8.540	2.155	.605	.617	1.462			9
10					37.837	8.227	2.053	.597	.785	1.238			10
11					41.724	9.208	1.840	.601	.665	1.208			11
12					46.944	8.906	1.751	.907	.597	1.208			12
13					45.304	7.551	1.568	.974	.597	1.442			13
14					40.299	6.594	2.887	.742	.597	1.112			14
15					35.565	10.667	2.495	.689	.733	.717			15
16					32.161	14.563	1.786	.597	1.150				16
17				2.402	39.686	11.034	1.571	.597	.576				17
18				2.843	45.135	7.718	1.442	.956	.597				18
19				3.551	50.977	6.304	1.442	1.356	.597				19
20				5.678	54.675	5.711	3.585	1.343	.597				20
21				8.102	53.532	5.150	1.934	1.319	1.890				21
22				9.964	48.001	5.251	1.506	.802	2.678				22
23				13.975	40.569	6.443	1.320	.728	1.134				23
24				26.711	37.317	11.662	1.208	.656	.902				24
25				21.644	33.582	9.387	1.122	.597	.785				25
26				16.430	31.191	8.930	1.092	.597	.777				26
27				10.738	29.034	7.409	.989	.597	.597				27
28				8.667	25.668	5.569	.989	.671	.597				28
29				8.022	23.110	5.010	2.012	1.840	.597				29
30				8.104	21.916	4.605	3.098	1.283	1.596				30
31					19.282		1.328	.821					31
TOTAL													
A-F				146.835	1060.549	270.090	67.620	27.357	24.218	18.747			ACRE FEET
INS				2.075	14.990	3.817	.955	.386	.342	.264			INCHES
FLOW													
MAX				26.711	54.675	16.283	4.098	1.840	2.678	1.468			MAXIMUM
MIN				.000	10.410	4.605	.989	.597	.528	.000			MINIMUM
TOTAL SEASONAL RUNOFF 1615.419 ACRE FEET, 22.833 INCHES													
SEASONAL PEAK DAILY FLOW 54.676 ACRE FEET, 27.565 CUBIC FEET PER SECONO													



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
WEST WALTON CREEK 849 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1970 JULY	AUG	SEPT	OCT	NOV	DEC	OAY
OAY													
1					1.400	34.585	10.839	1.208	.989	.814			1
2					1.208	39.863	9.038	1.206	.972	.785			2
3					1.592	47.640	7.763	1.147	.887	.785			3
4					3.586	57.611	6.835	.989	.844	.785			4
5					7.663	60.478	6.585	1.101	1.021	.785			5
6					10.820	60.967	6.326	1.081	1.590	2.344			6
7					12.088	54.034	5.911	1.384	2.338	2.245			7
8					10.095	58.581	5.135	1.000	1.234	1.815			8
9					7.092	53.262	5.880	.807	.968	1.298			9
10					5.425	45.669	7.912	.742	.785	1.652			10
11					5.979	35.584	5.145	.703	.785	1.643			11
12					12.678	27.864	3.812	.597	.850	2.167			12
13					10.432	32.270	3.272	.620	1.366				13
14					11.078	33.647	2.683	.597	1.928				14
15					4.916	34.849	2.311	.597	1.194				15
16					11.466	37.720	2.082	.597	.989				16
17					27.632	39.026	1.874	.597	.887				17
18					31.625	37.526	1.934	.628	.874				18
19					35.336	35.557	2.110	.936	.785				19
20					42.950	32.003	1.978	.989	.785				20
21				.871	55.480	29.849	1.783	1.539	.843				21
22				.717	52.339	28.109	3.796	1.167	1.364				22
23				.670	51.240	25.814	8.095	.978	1.215				23
24				.633	45.937	23.685	2.425	.923	.989				24
25				.765	47.404	21.950	1.928	.989	1.085				25
26				1.653	51.627	20.100	1.748	.989	1.012				26
27				2.911	57.030	18.307	1.843	.989	.989				27
28				3.675	44.618	16.716	1.730	1.067	.963				28
29				2.270	36.478	15.570	1.599	.989	.891				29
30				1.592	43.973	13.032	1.643	.902	.793				30
31					39.672		1.760	.810					31
TOTAL													
A-F				15.762	780.874	1071.881	127.788	28.882	32.229	17.123			ACRE FEET
INS				.222	11.037	15.150	1.806	.408	.455	.242			INCHES
FLOW													
MAX				3.675	57.030	60.967	10.839	1.539	2.338	2.344			MAXIMUM
MIN				.000	1.208	13.032	1.599	.597	.785	.000			MINIMUM
TOTAL SEASONAL RUNOFF 2074.543 ACRE FEET, 29.322 INCHES													
SEASONAL PEAK DAILY FLOW 60.967 ACRE FEET, 30.737 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
WEST WALTON CREEK 849 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1971 JULY	AUG	SEPT	OCT	NOV	DEC	OAY
OAY													
1					5.895	35.111	13.201	1.208	.427	.598			1
2					8.564	43.698	11.823	1.208	.427	.583			2
3					12.100	52.603	10.784	1.208	.504	.623			3
4					15.527	44.096	9.778	1.208	.885	.679			4
5					13.776	43.399	8.773	1.112	1.132	.612			5
6					13.041	45.281	8.095	.989	.940	.549			6
7					14.315	54.929	7.457	.989	1.443	.427			7
8					13.874	56.579	7.395	.987	1.531	.155			8
9					12.971	57.766	6.665	.985	.829				9
10					10.801	55.587	5.859	.966	.710				10
11					10.595	54.207	5.112	.910	.597				11
12					14.631	57.127	4.611	.989	.597				12
13					21.483	61.656	4.170	.970	.597				13
14					30.955	65.619	3.849	.986	.590				14
15				8.867	35.456	61.518	3.546	.846	.574				15
16				11.152	37.961	57.656	3.279	.785	.446				16
17				11.888	31.943	53.579	3.084	.427	.624				17
18				10.760	22.873	47.155	2.938	.427	.697				18
19				9.561	17.767	43.750	3.309	.427	.720				19
20				7.643	14.704	40.412	2.906	.427	.726				20
21				6.247	14.811	37.108	3.456	.427	.779				21
22				5.339	19.724	34.477	3.244	.427	.751				22
23				4.880	19.470	31.953	2.700	.427	.582				23
24				5.726	19.358	29.262	2.430	.427	.427				24
25				6.133	25.416	26.555	2.327	.427	.419				25
26				6.631	32.561	24.018	2.152	.427	.277				26
27				5.604	44.628	21.657	1.949	.427	.277				27
28				5.141	52.872	19.176	1.946	.441	.277				28
29				4.918	62.317	17.931	1.794	.749	.277				29
30				4.750	55.917	15.136	1.703	.597	.380				30
31					37.649		1.689	.537					31
TOTAL													
A-F				115.248	743.970	1289.015	152.038	23.382	19.457	4.230			ACRE FEET
INS				1.628	10.515	18.219	2.148	.330	.275	.059			INCHES
FLOW													
MAX				11.888	62.317	65.619	13.201	1.208	1.531	.679			MAXIMUM
MIN				.000	5.895	15.136	1.689	.427	.277	.000			MINIMUM
TOTAL SEASONAL RUNOFF 2347.343 ACRE FEET, 33.178 INCHES													
SEASONAL PEAK DAILY FLOW 65.619 ACRE FEET, 33.083 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
NORTH FISH CREEK 1435 ACRES

B. North Fish Creek:

	JAN	FEB	MAR	APR	MAY	JUNE	1967 JULY	AUG	SEPT	OCT	NOV	OEC	OAY
1						57.468	110.489	2.546	1.244	1.236			1
2						82.581	92.556	2.700	.655	1.681			2
3						104.789	73.962	2.297	.471	1.236			3
4						101.462	83.605	2.077	.448	1.447			4
5						106.161	66.204	1.598	.324	1.654			5
6						106.919	52.359	1.651	.450	2.266			6
7						105.805	68.361	6.312	.460	2.311			7
8						98.986	49.007	3.926	.897	4.109			8
9						86.158	35.982	2.593	1.130	3.185			9
10					6.264	89.741	27.071	2.615	.746	2.363			10
11					5.181	94.385	24.749	2.862	2.784	1.822			11
12					3.929	85.799	19.922	2.084	5.214	1.578			12
13					3.749	78.886	15.872	1.566	1.551	1.429			13
14					3.241	85.263	14.206	1.340	1.354	1.499			14
15					2.872	70.593	16.109	1.684	1.493	1.294			15
16					3.192	76.530	13.303	1.478	2.235	1.058			16
17					5.046	97.070	39.145	1.280	1.964	1.511			17
18					9.550	137.886	24.065	1.034	3.492	1.436			18
19					14.612	152.034	13.755	.981	5.770	1.252			19
20					20.005	167.709	10.294	1.236	3.136	1.119			20
21					26.406	146.863	8.057	1.236	2.033	1.117			21
22					38.927	157.245	6.759	1.016	1.669	1.055			22
23					58.404	149.826	9.877	.810	1.453	.929			23
24					71.223	148.361	10.670	.644	1.652	1.070			24
25					89.412	153.852	6.746	.598	1.896	.675			25
26					91.876	147.928	4.974	.554	1.803				26
27					78.775	145.604	4.197	.497	1.529				27
28					75.612	106.508	3.372	.491	1.391				28
29					69.826	118.742	2.896	1.344	1.236				29
30					63.827	120.999	2.547	1.193	1.236				30
31					55.735		2.574	1.386					31
TOTAL					797.673	3382.169	913.699	53.644	51.733	40.346			ACRE FEET
A-F					6.670	28.282	7.640	.448	.432	.337			INCHES
FLOW					91.876	167.709	110.489	6.312	5.770	4.109			MAXIMUM
MIN					.000	57.468	2.547	.491	.324	.000			MINIMUM

TOTAL SEASONAL RUNOFF 5239.267 ACRE FEET, 43.813 INCHES  
SEASONAL PEAK DAILY FLOW 167.709 ACRE FEET, 84.552 CUBIC FEET PER SECOND

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
NORTH FISH CREEK 1435 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1968 JULY	AUG	SEPT	OCT	NOV	OEC	OAY
1						70.424	104.666	7.179	1.119	.746			1
2						81.627	107.790	4.035	1.034	.746			2
3						89.788	106.016	6.134	3.189	.726			3
4						90.889	104.128	3.653	3.359	.737			4
5						103.449	86.438	2.820	1.911	.864			5
6						108.380	82.304	2.843	1.294	.746			6
7						111.337	73.519	2.460	1.042	1.262			7
8						93.849	60.493	2.124	.881	1.602			8
9					5.336	72.311	60.522	3.512	.795	1.513			9
10					6.421	59.478	59.499	3.303	.680	.604			10
11					8.676	49.103	48.223	5.492	.651				11
12					11.121	72.090	39.362	3.820	.728				12
13					10.428	105.678	33.738	5.134	.746				13
14					8.520	114.878	26.345	13.911	1.052				14
15					7.091	130.965	22.297	8.155	1.171				15
16					6.143	135.744	17.899	4.233	1.365				16
17					5.468	134.953	14.338	3.067	1.511				17
18					5.189	155.574	11.608	4.802	4.047				18
19					5.627	154.146	9.846	2.796	1.781				19
20					6.105	176.656	8.690	2.412	1.152				20
21					8.662	177.395	16.376	2.436	2.440				21
22					16.247	176.600	8.280	2.274	2.264				22
23					21.790	166.677	8.609	3.363	1.574				23
24					16.212	145.930	6.235	2.400	1.236				24
25					11.787	123.754	5.455	1.568	1.029				25
26					9.754	137.095	5.103	1.376	.981				26
27					9.715	170.710	4.455	1.663	.851				27
28					16.366	169.341	4.109	2.201	.746				28
29					31.078	163.600	3.700	3.270	.746				29
30					45.695	107.961	8.982	1.848	.746				30
31					57.530		5.658	1.355					31
TOTAL					330.973	3650.396	1154.700	115.653	42.136	9.551			ACRE FEET
A-F					2.767	30.525	9.656	.967	.352	.079			INCHES
FLOW					57.530	177.395	107.790	13.911	4.047	1.602			MAXIMUM
MIN					.000	49.103	3.700	1.355	.651	.000			MINIMUM

TOTAL SEASONAL RUNOFF 5303.412 ACRE FEET, 44.349 INCHES  
SEASONAL PEAK DAILY FLOW 177.396 ACRE FEET, 89.436 CUBIC FEET PER SECOND

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
NORTH FISH CREEK 1435 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1969 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1					10.784	86.924	36.890	3.233	.881	4.496			1
2					15.757	89.211	32.860	2.504	.829	2.857			2
3					22.947	95.059	32.695	2.357	.693	3.546			3
4					26.639	110.898	30.340	2.070	.788	3.498			4
5					26.541	143.953	43.059	1.825	.713	3.606			5
6					26.111	138.131	25.777	1.775	.651	3.809			6
7					28.819	124.474	18.366	1.461	.618	4.159			7
8					24.007	132.103	14.922	1.304	.609	4.352			8
9					31.521	128.917	12.409	1.153	.745	3.803			9
10					43.298	89.946	10.460	1.111	6.520	3.498			10
11					50.688	62.168	8.964	1.120	1.799	3.498			11
12					53.564	59.746	7.746	4.672	1.122	3.498			12
13					61.271	66.686	6.799	2.429	1.421	3.498			13
14					60.120	72.717	8.984	2.930	1.548	3.498			14
15					50.273	70.537	8.711	2.243	2.147	2.113			15
16					39.498	101.729	5.732	1.103	2.451				16
17					44.441	81.451	4.715	1.098	1.960				17
18					68.681	84.484	4.593	2.131	1.320				18
19					84.758	88.816	4.435	1.649	1.049				19
20					89.909	84.227	25.842	4.628	.981				20
21					94.413	82.022	8.811	2.563	1.712				21
22					105.218	73.195	5.330	1.408	7.738				22
23				8.888	105.183	63.364	4.180	1.122	4.941				23
24				13.167	110.695	98.652	3.465	1.055	2.508				24
25				16.195	125.222	46.989	3.029	.952	1.675				25
26				13.771	134.403	39.897	2.598	.866	1.393				26
27				10.920	132.909	60.465	2.216	.868	1.180				27
28				8.313	130.907	69.441	1.957	.998	1.119				28
29				8.226	142.815	48.134	6.028	2.550	.981				29
30				9.029	144.873	40.334	17.594	1.611	7.892				30
31					119.305		5.758	1.114					31
TOTAL A-F INS				88.512 .740	2205.587 18.443	2534.684 21.195	405.279 3.389	57.919 .484	59.999 .501	53.735 .449			ACRE FEET INCHES
FLOW MAX MIN				16.195 .000	144.873 10.784	143.953 39.897	43.059 1.957	4.672 .866	7.892 .609	4.496 .000			MAXIMUM MINIMUM
TOTAL SEASONAL RUNOFF 5405.718 ACRE FEET, 45.205 INCHES													
SEASONAL PEAK DAILY FLOW 144.874 ACRE FEET, 73.040 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
NORTH FISH CREEK 1435 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1970 JULY	AUG	SEPT	OCT	NOV	DEC	DAY
1						65.234	138.107	4.007	.981	1.529			1
2						75.055	132.313	3.710	1.029	1.511			2
3						93.462	125.746	3.567	1.018	1.496			3
4						107.282	125.841	3.536	.939	1.459			4
5						116.532	113.869	4.689	2.197	1.491			5
6						109.740	119.041	3.634	3.522	2.328			6
7						105.159	89.183	6.146	6.236	3.211			7
8						130.732	75.182	4.137	18.110				8
9						127.486	71.998	3.026	8.068				9
10						102.440	61.730	2.518	3.517				10
11						63.455	49.608	2.288	2.227				11
12					11.046	45.852	40.634	2.135	3.430				12
13					11.290	43.253	33.755	2.040	4.105				13
14					10.234	56.481	27.556	1.980	2.521				14
15					8.574	58.565	22.434	1.999	2.021				15
16					10.420	63.753	18.539	1.957	1.855				16
17					19.665	90.968	16.116	2.342	1.690				17
18					29.314	124.090	14.116	2.216	1.493				18
19					43.657	139.316	21.636	1.864	1.405				19
20					52.704	147.886	15.289	2.167	1.268				20
21					62.260	159.204	12.632	2.830	1.751				21
22					63.315	167.508	17.986	2.066	3.713				22
23					63.464	184.582	23.677	1.719	3.835				23
24					68.890	190.658	11.104	1.524	3.192				24
25					72.575	197.630	9.180	1.408	2.892				25
26					85.219	196.571	9.848	1.431	3.332				26
27					98.428	199.964	8.445	1.511	2.803				27
28					86.631	223.357	6.901	1.119	2.250				28
29					69.407	193.653	5.972	1.106	2.005				29
30					84.655	160.453	5.190	.981	1.733				30
31					82.664		4.652	.949					31
TOTAL A-F INS					1034.419 8.650	3740.340 31.278	1428.293 11.943	76.615 .640	95.151 .795	13.028 .108			ACRE FEET INCHES
FLOW MAX MIN					98.428 .000	223.357 43.253	138.107 4.652	6.146 .949	18.110 .939	3.211 .000			MAXIMUM MINIMUM
TOTAL SEASONAL RUNOFF 6387.850 ACRE FEET, 53.418 INCHES													
SEASONAL PEAK DAILY FLOW 223.357 ACRE FEET, 112.608 CUBIC FEET PER SECOND													



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
NORTH FISH CREEK 1435 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1971 JULY	AUG	SEPT	OCT	NOV	DEC	OAY
1					4.984	38.398	135.524	3.946	.876				1
2					6.831	41.610	129.601	4.355	.920				2
3					10.868	54.073	124.676	7.122	1.206				3
4					14.498	55.909	102.849	15.830	1.942				4
5					12.708	46.916	100.243	8.810	6.804				5
6					11.183	60.638	79.757	4.479	2.501				6
7					11.679	78.506	81.013	3.528	6.499				7
8					10.735	97.793	69.051	3.023	3.956				8
9					10.018	86.203	63.538	3.432	1.838				9
10					9.084	83.842	56.363	3.446	1.321				10
11					8.426	86.911	48.396	2.619	1.117				11
12					9.851	103.806	41.580	3.831	.903				12
13					15.484	119.648	35.896	2.971	.871				13
14					24.897	137.254	31.085	2.432	.788				14
15					30.936	155.022	20.637	2.057	.746				15
16					38.819	160.449	10.661	1.836	.746				16
17					35.718	171.533	8.107	1.716	.758				17
18					25.842	163.084	7.596	1.797	1.519				18
19					19.446	177.726	18.864	1.735	1.236				19
20					15.991	182.344	8.618	1.547	1.380				20
21					14.724	186.005	7.142	1.556	1.675				21
22				5.091	16.622	172.134	11.736	1.705	2.048				22
23				4.689	19.374	195.630	16.653	1.445	.791				23
24				4.777	17.950	203.440	12.862	1.484					24
25				5.221	22.857	195.869	9.685	1.433					25
26				5.641	37.883	195.412	8.134	1.264					26
27				5.144	58.454	200.528	6.958	1.698					27
28				4.694	69.224	189.691	6.056	1.364					28
29				4.486	79.418	160.944	5.465	1.671					29
30				4.350	72.213	155.244	4.894	1.130					30
31					46.181		4.306	1.084					31
TOTAL													
A-F				44.097	782.916	3956.575	1267.963	96.363	42.451				ACRE FEET
INS				.368	6.547	33.086	10.603	.805	.354				INCHES
FLOW													
MAX				5.641	79.418	203.440	135.524	15.830	6.804				MAXIMUM
MIN				.000	4.984	38.398	4.306	1.084	.000				MINIMUM

TOTAL SEASONAL RUNOFF 6190.368 ACRE FEET, 51.766 INCHES  
SEASONAL PEAK DAILY FLOW 203.440 ACRE FEET, 102.566 CUBIC FEET PER SECOND

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
SOUTH SODA CREEK 2174 ACRES

C. South Soda Creek:

	JAN	FEB	MAR	APR	MAY	JUNE	1967 JULY	AUG	SEPT	OCT	NOV	DEC	OAY
1					12.429	101.184	77.700	2.153	.831	.312			1
2					10.354	141.538	64.158	1.635	.534	.374			2
3					9.010	156.953	52.522	1.954	.462	.306			3
4					8.069	144.517	56.296	1.727	.274	.395			4
5				4.785	7.412	149.675	46.465	1.350	.234	.493			5
6				5.374	7.198	150.186	37.712	1.233	.158	1.104			6
7				7.775	7.606	138.178	55.100	4.428	.154	1.192			7
8				10.533	14.296	121.799	42.198	3.999	.521	1.771			8
9				10.335	24.802	107.339	30.126	2.149	.999	1.895			9
10				9.650	26.923	106.817	23.135	2.295	.640	1.457			10
11				14.308	21.506	104.504	20.983	1.799	1.079	1.167			11
12				15.685	19.558	94.967	17.813	1.638	3.286	1.095			12
13				11.612	18.856	94.477	15.157	1.393	1.368	1.029			13
14				9.340	14.924	105.147	13.329	1.043	.811	.966			14
15				8.495	12.544	87.776	14.136	.779	.612	.976			15
16				7.834	11.929	92.522	13.022	.664	.687	.853			16
17				7.392	20.915	110.448	28.994	.543	.846	.719			17
18				8.538	40.417	145.478	28.379	.296	1.135	.655			18
19				11.341	57.285	152.329	14.792	.188	2.582	.551			19
20				15.366	63.873	175.626	11.034	.347	2.057	.440			20
21				11.408	79.963	141.248	8.583	.534	1.046	.415			21
22				9.460	111.652	144.549	7.168	.534	.744	.391			22
23				8.075	133.149	133.722	9.370	.473	.499	.489			23
24				7.119	151.880	125.968	10.403	.411	.606	.495			24
25				6.418	178.693	126.243	7.113	.347	.930	.399			25
26				5.973	186.286	119.260	5.288	.264	.917	.236			26
27				6.240	157.100	111.829	4.322	.261	.856				27
28				8.712	158.479	86.806	3.399	.271	.587				28
29				14.888	132.085	86.265	2.866	.546	.395				29
30				16.972	113.107	85.298	2.352	.821	.313				30
31					95.150		2.274	.618					31
TOTAL													
A-F				253.640	1907.465	3642.662	726.199	36.710	26.178	20.188			ACRE FEET
INS				1.400	10.528	20.106	4.008	.202	.144	.111			INCHES
FLOW													
MAX				16.972	186.286	175.626	77.700	4.428	3.286	1.895			MAXIMUM
MIN				.000	7.198	85.298	2.274	.188	.154	.000			MINIMUM

TOTAL SEASONAL RUNOFF 6613.045 ACRE FEET, 36.503 INCHES  
SEASONAL PEAK DAILY FLOW 186.286 ACRE FEET, 93.918 CUBIC FEET PER SECOND



STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
SOUTH SOGA CREEK 2174 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1968 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1					16.045	131.584	80.568	4.837	.597	.434			1
2					23.465	148.461	81.114	2.648	.340	.376			2
3					29.755	151.693	78.183	2.631	1.091	.292			3
4					37.627	154.561	75.965	1.951	1.799	.305			4
5					36.854	177.223	66.318	1.432	1.307	.325			5
6					28.947	169.242	57.565	1.369	.703	.310			6
7					20.687	156.136	50.908	1.353	.412	.681			7
8					16.562	127.052	43.431	1.236	.528	1.333			8
9					17.672	94.551	41.711	2.170	.586	1.173			9
10					23.969	79.399	41.213	2.078	.450	1.159			10
11					33.290	78.897	36.339	2.385	.417	1.932			11
12					39.494	121.018	30.955	2.403	.520	2.653			12
13					31.674	166.153	25.293	2.488	.539	2.369			13
14					23.180	168.923	20.579	10.528	.382	1.647			14
15					18.761	188.236	17.809	6.695	.534	2.747			15
16					16.283	182.224	14.436	3.462	.518	2.478			16
17				4.711	14.371	176.871	11.669	2.076	.746	.696			17
18				4.755	13.689	185.114	9.577	2.287	1.154				18
19				5.060	15.119	191.134	8.110	1.616	.840				19
20				4.681	18.240	213.705	7.122	1.175	.350				20
21				4.570	34.581	199.389	6.210	1.125	1.023				21
22				4.274	59.118	192.021	6.487	.859	1.327				22
23				4.097	53.182	170.664	6.649	2.136	1.178				23
24				4.023	36.080	148.259	4.607	1.647	.898				24
25				3.879	28.527	119.997	3.769	.799	.678				25
26				3.716	26.061	124.223	3.225	.584	.594				26
27				3.498	32.264	150.286	2.834	.630	.421				27
28				3.542	56.248	143.341	2.444	1.161	.432				28
29				4.480	87.110	132.264	2.111	1.976	.423				29
30				8.372	100.157	90.006	4.381	1.273	.440				30
31					120.215		3.985	.829					31
TOTAL													
A-F				63.665	1109.242	4532.642	845.585	69.852	21.243	20.918			ACRE FEET
INS				.351	6.122	25.019	4.667	.385	.117	.115			INCHES
FLOW													
MAX				8.372	120.215	213.705	81.114	10.528	1.799	2.747			MAXIMUM
MIN				.000	13.689	78.897	2.111	.584	.340	.000			MINIMUM
TOTAL SEASONAL RUNOFF 6663.148 ACRE FEET, 36.779 INCHES													
SEASONAL PEAK DAILY FLOW 213.706 ACRE FEET, 107.742 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
SOUTH SOGA CREEK 2174 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1969 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1					35.424	81.019	33.501	4.288	.452	4.261			1
2				3.606	55.074	80.653	29.495	3.129	.398	3.124			2
3				3.618	64.380	82.999	28.227	2.868	.366	4.146			3
4				3.920	62.094	88.950	26.059	2.707	.337	4.631			4
5				4.871	61.206	111.739	35.274	2.193	.370	5.102			5
6				8.137	75.494	106.208	25.012	1.894	.267	5.490			6
7				9.821	81.975	97.395	18.568	1.441	.239	6.820			7
8				7.722	63.129	98.861	15.587	1.140	.228	7.462			8
9				7.379	77.771	90.978	13.038	.947	.331	6.204			9
10				9.586	92.788	68.258	11.097	.835	4.038	5.530			10
11				12.929	100.582	52.898	9.427	.862	1.453	5.973			11
12				13.884	105.946	54.360	8.159	3.041	.665	5.530			12
13				11.275	110.702	55.847	7.227	2.573	.674	5.100			13
14				12.283	103.132	53.850	10.471	1.249	1.164	5.100			14
15				14.153	87.063	54.141	8.878	.890	1.209	2.921			15
16				11.348	74.060	84.089	5.712	.760	1.905				16
17				10.333	82.886	72.698	4.774	.717	1.464				17
18				11.509	114.785	62.232	4.622	1.922	.881				18
19				13.864	134.580	60.378	4.248	1.792	.621				19
20				21.629	128.656	58.119	17.220	3.356	.526				20
21				30.014	132.212	54.717	9.488	2.990	1.186				21
22				44.444	146.126	54.940	5.677	1.515	7.584				22
23				57.244	134.426	46.234	4.519	1.052	5.454				23
24				62.583	134.376	88.416	3.736	.977	3.234				24
25				52.481	149.661	57.995	3.319	.879	2.155				25
26				34.692	152.297	48.203	2.735	.562	1.634				26
27				25.064	140.364	65.816	2.286	.426	1.333				27
28				19.524	134.429	67.250	1.943	.454	1.075				28
29				18.559	142.830	48.612	5.158	1.369	.942				29
30				22.457	134.473	38.937	15.254	1.362	5.340				30
31					108.512		7.070	.768					31
TOTAL													
A-F				558.946	3221.447	2086.807	377.795	50.973	47.540	77.400			ACRE FEET
INS				3.085	17.781	11.518	2.085	.281	.262	.427			INCHES
FLOW													
MAX				62.583	152.297	111.739	35.274	4.288	7.584	7.462			MAXIMUM
MIN				.000	35.424	38.937	1.943	.426	.228	.000			MINIMUM
TOTAL SEASONAL RUNOFF 6420.912 ACRE FEET, 35.442 INCHES													
SEASONAL PEAK DAILY FLOW 152.297 ACRE FEET, 76.782 CUBIC FEET PER SECOND													

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
SOUTH SODA CREEK 2174 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1970 JULY	AUG	SEPT	OCT	NOV	DEC	
JAY													DAY
1					6.904	96.432	93.355	1.859	.097	.601			1
2					6.592	114.369	86.125	1.555	.162	.465			2
3					8.024	138.673	81.599	1.461	.114	.439			3
4					13.394	156.585	79.699	1.305	.069	.454			4
5					23.281	162.827	70.786	1.552	.305	.467			5
6					33.071	152.305	79.565	1.168	1.541	2.189			6
7					36.811	149.986	66.547	2.055	3.768	3.171			7
8					30.252	170.418	49.706	1.633	7.235	2.454			8
9					21.599	155.552	50.461	.983	4.529	2.489			9
10					17.981	131.761	44.554	.677	2.071	3.255			10
11					24.950	92.966	34.186	.478	1.146	3.498			11
12					35.666	68.259	28.149	.298	1.013	5.054			12
13					34.075	73.974	22.932	.267	2.466	3.302			13
14					28.587	91.351	18.858	.286	1.373				14
15					24.398	89.658	15.428	.292	1.116				15
16				4.196	40.203	100.238	12.547	.254	.840				16
17				3.879	73.217	128.299	10.705	.318	.683				17
18				3.879	90.899	158.745	9.225	.429	.555				18
19				3.879	101.721	165.973	13.448	.291	.400				19
20				3.685	119.251	167.393	10.407	.306	.378				20
21				3.746	128.130	187.287	7.625	.810	.642				21
22				4.069	119.515	184.040	9.806	.394	1.408				22
23				3.456	117.805	189.898	12.956	.226	1.893				23
24				3.310	124.931	185.369	7.006	.120	1.749				24
25				3.944	127.937	185.984	5.536	.088	1.611				25
26				6.818	148.881	174.798	6.475	.000	1.415				26
27				11.797	163.048	167.622	5.555	.000	1.322				27
28				13.911	133.343	169.009	4.104	.079	1.062				28
29				9.559	108.252	143.525	3.311	.123	.863				29
30				7.804	139.284	113.308	2.740	.048	.783				30
31					122.150		2.250	.059					31
TOTAL													
A-F				87.938	2204.167	4266.619	945.662	19.427	42.627	27.845			ACRE FEET
INS				.485	12.166	23.550	5.219	.107	.235	.153			INCHES
FLOW													
MAX				13.911	163.048	189.898	93.355	2.055	7.235	5.054			MAXIMUM
MIN				.000	6.592	68.259	2.250	.000	.069	.000			MINIMUM

TOTAL SEASONAL RUNOFF 7594.289 ACRE FEET, 41.919 INCHES  
SEASONAL PEAK DAILY FLOW 189.899 ACRE FEET, 95.739 CUBIC FEET PER SECOND

STREAMFLOW SUMMARY IN ACRE FEET FOR PERIOD OF RECORD  
SOUTH SODA CREEK 2174 ACRES

	JAN	FEB	MAR	APR	MAY	JUNE	1971 JULY	AUG	SEPT	OCT	NOV	DEC	
DAY													DAY
1					14.988	65.972	94.022	2.069	.066	.925			1
2					25.763	73.291	89.215	1.976	.066	.753			2
3					43.742	86.813	84.150	2.363	.082	.965			3
4					48.372	84.852	71.312	2.853	.333	1.718			4
5					38.179	76.803	65.835	3.085	.962	1.922			5
6					33.155	93.903	53.825	1.650	.876	1.595			6
7					35.275	121.047	52.291	1.371	2.099	1.177			7
8					30.459	132.990	46.633	1.149	2.331	.508			8
9					26.106	124.413	42.419	1.247	.672				9
10					21.390	115.928	37.332	1.310	.347				10
11					20.608	112.416	32.544	.900	.241				11
12					31.969	136.319	28.411	.968	.188				12
13				19.926	53.807	151.140	25.159	1.120	.188				13
14				27.821	73.076	178.491	22.197	.840	.140				14
15				33.730	81.222	198.358	18.870	.585	.066				15
16				36.768	91.357	190.950	15.516	.534	.066				16
17				35.587	72.690	203.066	12.996	.534	.186				17
18				28.001	46.762	183.649	12.359	.249	.277				18
19				25.149	35.488	195.786	15.040	.120	.297				19
20				20.211	29.434	196.953	11.499	.079	.366				20
21				16.342	29.179	193.632	9.479	.145	.384				21
22				14.102	37.790	199.678	10.413	.066	.427				22
23				12.386	39.516	185.758	9.397	.066	.652				23
24				13.021	35.105	185.289	7.921	.084	1.020				24
25				14.999	49.456	170.584	6.122	.097	1.169				25
26				16.567	80.043	159.535	5.022	.066	.949				26
27				13.797	113.504	153.185	4.126	.076	.519				27
28				11.943	131.597	140.001	3.482	.122	.376				28
29				11.325	149.780	117.844	3.112	.117	.347				29
30				11.152	119.912	109.894	2.655	.066	.716				30
31					72.379		2.294	.066					31
TOTAL													
A-F				362.835	1712.115	4338.553	895.661	25.988	16.423	9.565			ACRE FEET
INS				2.002	9.450	23.947	4.943	.143	.090	.052			INCHES
FLOW													
MAX				36.768	149.780	203.066	94.022	3.085	2.331	1.922			MAXIMUM
MIN				.000	14.988	65.972	2.294	.066	.066	.000			MINIMUM

TOTAL SEASONAL RUNOFF 7361.144 ACRE FEET, 40.632 INCHES  
SEASONAL PEAK DAILY FLOW 203.067 ACRE FEET, 102.378 CUBIC FEET PER SECOND

Leaf, Charles F., and Glen E. Brink.

1972. Annual streamflow summaries from four subalpine watersheds in Colorado. USDA For. Serv. Gen. Tech. Rep. RM-1, 24 p. Rocky Mt. For. and Range Exp. Stn., Fort Collins, Colo.

Streamflow runoff summaries are presented for four experimental watersheds near Fraser and Steamboat Springs, Colorado. Interval of published record varies from 1943-71 at Fraser to 1967-71 at Steamboat Springs.

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